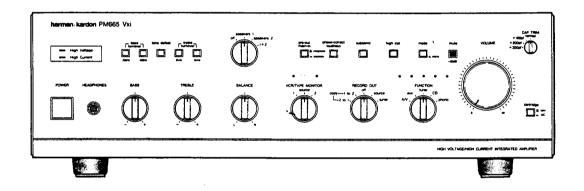
The Harman Kardon Model PM665 Vxi

Manual 115A

STEREO INTEGRATED AMPLIFIER

Technical Manual



The following marks found in the parts list of this manual identify the models as follows.

: North America area model

B : North America area model Black version

: General model

: General model Black version

: Japan model



SPECIFICATIONS

-	Nominal	Limit
RMS Output Power		
8Ω, 1kHz THD 0.08%	169W ≥	150\/
4Ω, 1kHz THD 0.1%	175W ≧	
High Instantaneous Current	17544 €	10000
Capability (HCC)	80A ≥	654
Half Power Bandwith		100kHz
Frequency Responce at -3dB	0.22Hz~	
Input Sensitivity	0.22112	1001112
Video/CD	135mV ±	25mV
Phono(MM)	2.2mV ±	
Phono(MC)	120µV ±	
Signal to Noise Ratio		
Video/CD	76dB≥	74dB
Phono(MM)	76dB≥	•
Phono(MC)	74dB≥	
Channel Separation at 10kHz	_	
Video/CD	54dB≥	45dB
Phono(MM)	61dB≥	45dB
Phono(MC)	65dB≥	45dB
IM Distrotion Ratio	0.022% ≤	0.1%
Damping Factor at 1kHz	76≥	
Tone Control Characteristics		
Bass Turnover Frquency (200	0Hz/400Hz)
Bass at 50Hz/100Hz		
Boost	10dB ±	2dB
Cut	10dB ±	2dB
Treble Turnover Frquency (2kH	z/6kHz)	
Treble at 10kHz/30kHz		
Boost	10dB ±	
Cut	10dB ±	2dB

Nominal Limi

Filters
Subsonic
High Cut
DC Output Voltage

15Hz, -3.5dB ± 1dB/Octave
6kHz, -3dB ± 1dB/Octave

L channel OmV ± 60mV R channel OmV ± 60mV

RIAA Equalization at Tape Out

(20Hz/20kHz) (No load) 0.1dB ± 0.5dB/- 0.2dB ± 0.5dB

Phono Over Load (No load)

Phono (MM) 220mV \ge 190mV Phono (MC) 12.9mV \ge 8mV Dimensions (W × H × D) 17-1/2" × 5-5/16" × 15-11/16"

(443 × 134 × 398mm) Weight 29lbs. 12oz. (13.5kg)

Power Supplies

North America area model AC 120V, 60Hz

General model AC 220/240V, 50/60Hz Japan model AC 100V, 50/60Hz

Power Consumption

North America area model 600W General model 350VA Japan model 600W

* Input Sensitivity for General model are $2.3\text{mV} \pm 0.3\text{mV}$ (MM) and $145\mu\text{V} \pm 20\mu\text{V}$ (MC).

This specification is the target of servicing. But, there is a care that the specification is not applicable to the measurement condition and instrument.

Specifications and components subject to change without notice. Overall performance will be maintained or improved.

LEAKAGE TEST (FOR SERVICE ENGINEERS IN THE U.S.A.)

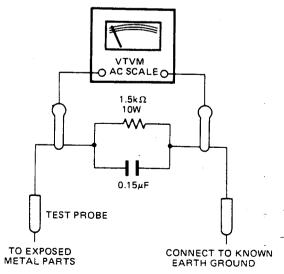
Before returning the unit to the user, perform the following safety checks:

- Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the unit.
- Be sure that any protective devices such as nonmetallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc. which were removed for servicing are properly reinstalled.
- 3. Be sure that no shock hazard exists; check for leakage current using Simpson Model 229 Leakage Tester, standard equipment item No. 21641, RCA Model WT540A or use alternate method as follows: Plug the power cord directly into a 120-volt AC receptacle (do not use an Isolation Transformer for this test). Using two clip leads, connect a 1500 Ohm, 10-watt resistor paralleled by a 0.15 μF capacitor, in series with all exposed metal cabinet parts and
 - this test). Using two clip leads, connect a 1500 Ohm, 10-watt resistor paralleled by a 0.15 μ F capacitor, in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit. Use a VTVM or VOM with 1000 Ohms per volt, or higher sensitivity to measure the AC voltage drop across the resistor. (See Diagram.) Move the resistor connection to each exposed metal part having a return path to the chassis (antenna, metal, cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the

SIMPSON MODEL 229 ETC. FOR
LEAKAGE TEST

TO EACH EXPOSED
METAL SURFACE OF
UNIT UNDER TEST
HIGH
VOLTAGE
OR + LEAD

TO AC GROUND SUCH
AS WATER PIPE, BX CABLE,
CONDUIT, ETC.



resistor. (This test should be performed with the power switch in both the On and Off positions.)

A reading of 0.35 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



DISASSEMBLY PROCEDURES (REFER TO PAGES 5 AND 21)

1 CABINET TOP (131) REMOVAL

Remove 8 screws (A) and then remove the Cabinet Top (131).

2 FRONT PANEL ASS'Y (AA) REMOVAL

- Remove the Cabinet Top (131), referring to the previous step 1.
- Remove 5 screws (B) and then remove the Front Panel Ass'y (AA).

3 MAIN P. C. BOARD (PCB-2) REMOVAL

- 1. Remove 10 screws (C) and then remove the Cabinet Bottom Ass'y (AC).
- 2. Remove the Front Panel Ass'y (AA), referring to the previous step 2.
- 3. Loosen 4 hexagon-socket-head screws (D) and pull out the Shaft Ass'y (BB) with the Rotary Knob Ass'Y (AD)
- 4. Remove 24 screws (E) and a plastic rivet (F) and then remove the Cabinet Back Ass'y (AB). If necessary, unsolder the lead wires from the Power Transformers (T1 and T2).
- Open the lid of connectors (CN101 and CN102) on the Main P. C. Board (PCB-2) and then disconnect the lead wires.
- Remove 4 screws (G) and then remove the Main P. C. Board (PCB-2) with the Heat Sinks (177). At this time, unsolder the lead wires connected to the Main P. C. Board (PCB-2).

4 POWER SWITCH P. C. BOARD (PCB-3) REMOVAL

- 1. Remove the Front Panel Ass'y (AA), referring to the previous step 2.
- 2. Pull out the Push Button (146) and Shaft (214).
- Remove 3 screws (H) and then remove the Power Switch P. C. Board (PCB-3). If necessary unsolder the lead wires.

5 MAIN DRIVER P. C. BOARD (PCB-1) REMOVAL

- 1. Remove the Main P. C. Board (PCB-2), referring to the previous step 3.
- Remove 2 screws (I) and then remove the Main Driver P. C. Board (PCB-1).
 If necessary unsolder the lead wires.

EQUALIZER P. C. BOARD (PCB-11) REMOVAL

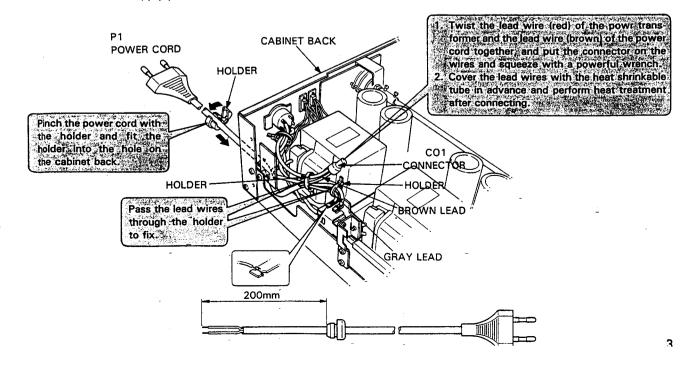
- 1. Remove the Cabinet Back Ass'y (AB), referring to the previous step 3.
- Remove a screw (J) and a plastic rivet (K) and then remove the Equalizer P. C. Board (PCB-11).
 If necessary unsolder the lead wires.

TONE 1 P. C. BOARD (PCB-5) REMOVAL

- 1. Remove the Cabinet Bottom Ass'y (AC), referring to the previous step 3-1.
- Remove the Front Panel Ass'y (AA), referring to the previous step 2.
- Pull out the Cap. Trim Rotary Knob (151) and remove 4 hexagon-nuts (L) and then remove the Capacitance Trim P. C. Board (PCB-8).
- Pull out Volume Rotary Knob (150) and remove a hexagon-nut (M) and then remove the Volume P. C. Board (PCB-7).
- Remove 2 screws (N) and then remove the Push Switch (SW9, cartridge).
- 6. Straighten the catches fixing the 4/8 Ω LED P. C. Board (PCB-9) and then remove it.
- 7. Remove the metal fixture (O) fixing the Headphone P. C. Board (PCB-12) and then remove it.
- 8. Pull out the Push Button (146) and Shaft (214).
- 9. Pull out the Push Button Ass'y (AE).
- 10. Pull out the 6 Rotary Knob Ass'ys (AD).
- Loosen 4 hexagon-socket-head screws (D) and pull out the Shaft Ass'y (BB) with the Rotary Knob Ass'Y (AD).
- Remove 8 screws (P) and then remove the Chassis Ass'y (BA) with the Tone 1 and Tone 2 P. C. Board (PCB-5 and PCB-6).
- Remove 4 screws (Q) and then remove the Tone 2
 P. C. Board (PCB-6).
 If necessary unsolder the lead wires.
- Remove 6 hexagon-nuts (R) and then remove the Tone 1 P. C. Board (PCB-5).
 If necessary unsolder the lead wires.

POWER CORD REPLACEMENT (FOR SERVICE ENGINEERS OTHER THAN NOTRH AMERICA)

In order to prevent fire or shock hazard when replacing the power cord, follow the procedure below to replace the parts with the standard supply parts.



ALIGNMENT PROCEDURES (REFER TO PAGE 8 THROUGH 11 AND 20)

- Conditions: Set the Function selector to the "aux" position.
 - Set the Volume control to minimum.
 - Set the Speaker selector to the "1+2" position.
 - \bullet Set the Speaker Operating Mode switch to the "80" position.
 - Make the adjustment at a room temperature of 77°F (25°C).
 - After the Power switch is pushed on, wait for 30 minutes before measuring to be sure of the most stable operation.

III DC BALANCE ADJUSTMENT

**** 2 ** * **	Connect the Digital Volt Meter to speaker terminal (R ch).	VR402	0 ± 10mV
CONTRACTOR STATE	Connect the Digital Volt Meter to speaker terminal (L ch).	VR401	0 ± 10mV
-⊁Step	で (** /) (Connection Equipments	Adjustment	For

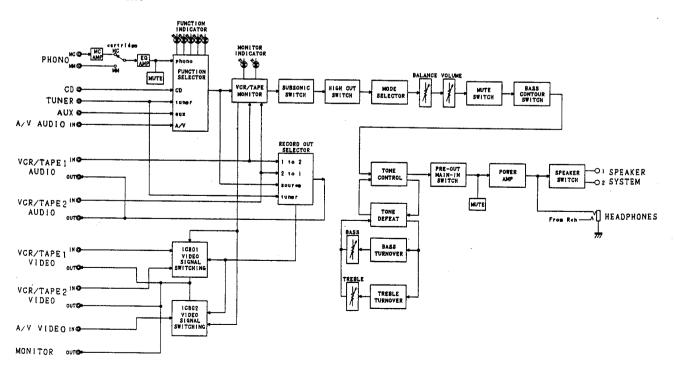
■ IDLING CURRENT ADJUSTMENT

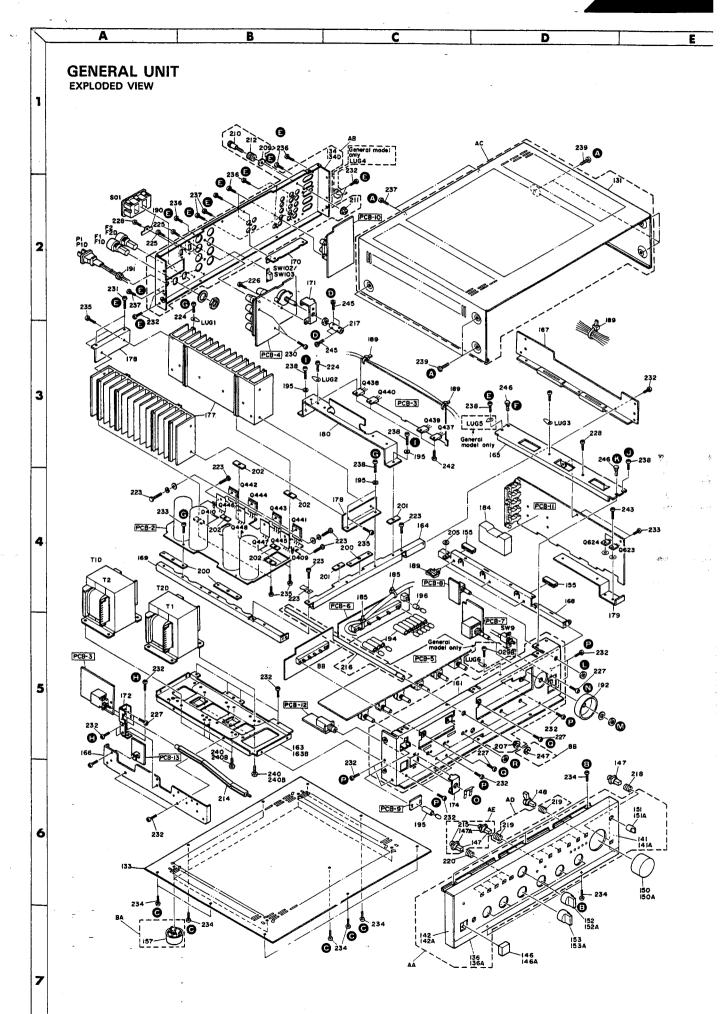
200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Connect the Digital Volt Meter to TP1 and TP2.	Adjustment VR403	28mV
2	Connect the Digital Volt Meter to TP3 and TP4.	VR404	28mV

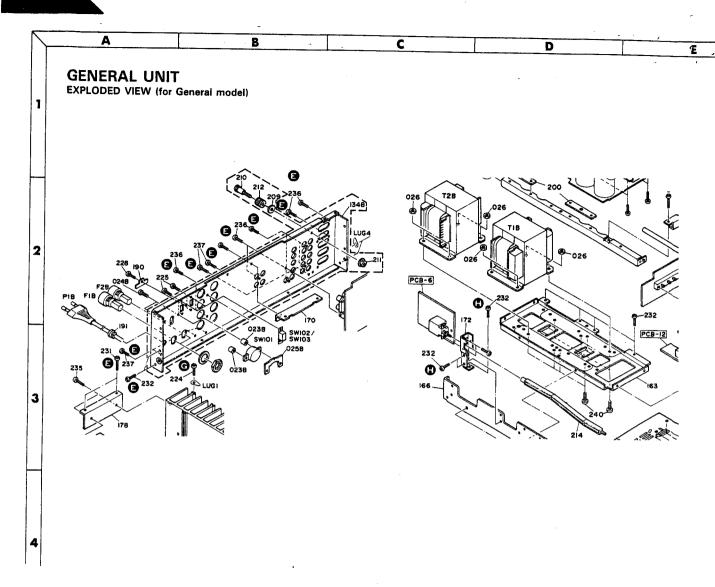
■ IDRING CURRENT CONFIRMATION

Step 🤃	Connection Equipments	For For
. 2011 @ 20C	Connect the Digital Volt Meter to TP5 and TP6.	50mV ± 5mV
,∷2 ×	Connect the Digital Volt Meter to TP7 and TP8.	50mV ± 5mV
3 - 7	Connect the Digital Volt Meter to TP9 and TP10.	50mV ± 5mV
46,4	Connect the Digital Volt Meter to TP11 and TP12.	50m∨ ± 5m ∨

BLOCK DIAGRAM







PARTS LIST Ref. No. Part No.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
AA	A443-PM665S2A	FRONT PANEL ASS'Y WA G	131	1414-10401	Description CABINET TOP
AAA	A443-PM665S2B	FRONT PANEL ASS'Y	133	1423-03101	CABINET BOTTOM
AAC	A443-PM665S2C	FRONT PANEL ASS'Y	134	1424-22804	CABINET BACK WA GIK
AAD	A443-PM665S2D	FRONT PANEL ASS'Y	134B	1424-22804	
AB	A424-PM665S2A	CABINET BACK ASS'Y WASK	134D	1424-22805	CABINET BACK G GB
ABB	A424-PM665S2B	CABINET BACK ASS'Y G	136	1443-10903	CABINET BACK
ABC	A424-PM665S2C	CABINET BACK ASS'Y	136A	1443-10904	FRONT PANEL UA G
ABD	A424-PM665S2D	CABINET BACK ASS'Y	138	1513-09501	FRONT PANEL BK GB N
AC	A423-PM665S2A	CABINET BOTTOM ASS'Y JA BK	139		PANEL, PLATE
		N	141	1531-11301	PANEL, WINDOW
ACB	A423-PM665S2B	CABINET BOTTOM ASS'Y	141A	1562-01602	FRAME RIGHT UA G
ACC	A423-PM665S2C	CABINET BOTTOM ASS'Y	1414	1562-01603	FRAME RIGHT BK GB N
AD	A630-PM665S2A	ROTARY KNOB ASS'Y JA G		1562-01702	FRAME LEFT UA G
ADA	A630-PM665S2B	ROTARY KNOB ASS'Y	142A	1562-01703	FRAME LEFT BK GB N
ADC	A630-PM665S2C	ROTARY KNOB ASS'Y	144 146	1732-02401	INDICATOR
ADD	A630-PM665S2D	ROTARY KNOB ASS'Y		1660-00401	PUSH BUTTON, POWER WA G
AE	A662-PM665S2A	PUSH BUTTON ASS'Y UA G	146A	1660-00403	PUSH BUTTON, POWER (B)
AEA	A662-PM665S2B	PUSH BUTTON ASS'Y BK	1.47	1000	
AEC	A662-PM665S2C	PUSH BUTTON ASS'Y	147	1662-05701VN	PUSH BUTTON UA G
AED	A662-PM665S2D	PUSH BUTTON ASS'Y	147A	1662-05702	PUSH BUTTON EK GB N
ВА	B211-PM665S2A	CHASSIS ASS'Y	148	1662-18101	PUSH BUTTON, MUTE
BB	B601-PM665S2A	SHAFT ASS'Y	150	1630-02901	ROTARY KNOB, VOLUME . UA G
022B	1756-03108	LABEL GOB	150A	1630-02903	ROTARY KNOB, VOLUME -
023B	2132-7116	SPACER G GB			GB N
023D	2440-60	SPECIAL NUT G GB	151	1634-04501	ROTARY KNOB, CAPTRIM (IA)
024B	2327-R0130124	SCREW G GB -	151A	1634-04503	ROTARY KNOB, CAPTRIM (BK)
025B	2440-7017	SPECIAL NUT G GB			€ B N
026B	2440-60		152	1630-02801	ROTARY KNOB, FUCTION SWITCH
029B	2347-300526	SPECIAL NUT G GB SCREW G GB			UA G
113	1751-01018		152A ,	1630-02803	ROTARY KNOB, FUCTION SWITCH
115	1751-01018	SERIAL LABEL			
117	1756-CSA	LABEL WA GK	153	1630-02801	ROTARY KNOB WA G
	1/30-C3A	LABEL (IA) (IK)	153A	1630-02803	ROTARY KNOB

		*			
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
155	1568-00301	FRAME	242	2557-301029	SCREW
157	1319-0139	LEG	243	2557-301029	SCREW
161	2211-7294	CHASSIS	245	2396-300549	SCREW
163	2219-8036	METAL FITTG, TRANS UA BK	246	2459-3003511	PLASTIC RIVET
163B	2219-8007	METAL FITTG, TRANS G GB N	247	2461-501	STOPPER, E
164	2219-8037	METAL FITTG, H.CENTER	248	2440-7016	SPECIAL NUT
165	2219-8009	METAL FITTG, EQ	ΔPI	4161-71151	CORD W/PLUG (IA) (BK)
166	2219-8010	METAL FITTG, TRANS SIDE	ΔPIB	4161-7256	CORD W/PLUG GB
167	2219-8011	METAL FITTG, EQ SIDE	ΔPID·	4161-71148	CORD W/PLUG
168	2219-8038	METAL FITTG, EQ CENTER	ΔFI	5732-502029	FUSE, (5A) UA BK
169	2219-8013	METAL FITTG, TRANS CENTER	ΔFIB	5732-252030	FUSE, (5A) GB
170	2219-8040	METAL FITTG, MAIN HEAT	ΔFID	5732-502050	FUSE, (5A)
171	2219-8039	METAL FITTG	∆F2	5732-502029	FUSE, (5A) WA BK
172	2219-8034	METAL FITTG, POWER SWITCH	∆F2B	5732-252030	FUSE, (5A) G
174	2219-7879	METAL FITTG, H/P	∆F2D	5732-502050	FUSE, (5A)
175	2219-7879	METAL FITTG, 4/8Ω PCB	∆\$01	4474-156	SOCKET WAS IN
177	2222-7180	HEAT SINK, MAIN	ΔTI	5584-S05	XFORMER, POWER WAS SECRETARY TO THE POWER OF
178	2222-7182	HEAT SINK, MAIN PCB	∆TIB	5584-S06	XFORMER, POWER GO
179	2222-7183	HEAT SINK, EQ	ΔTID ΔT2	5584-S07	XFORMER, POWER AND XFORMER, POWER WAS AND AND ADDRESS.
180	2222-7181	HEAT SINK, DRIVER	Δ12 ΔT2B	5584-S05 5584-S06	XFORMER, POWER GO
181	2222-7229	HEAT SINK, AV PCB	∆T2D	5584-S07	XFORMER, POWER N
183	2240-7141	HOLDER WA GB N	ASWI01	4411-102729	ROTARY SWITCH, VOLTAGE
183A	2240-7202		22377101	4411-102723	SELECTOR G GB
184	2240-7183	HOLDER, MC	SW9	4422-70211	REMOTE SWITCH
185 186	2240-7120	HOLDER, WIRING HOLDER, POWER	LUGI	4211-5005	LUG
187	2240-7209 2240-7315	HOLDER, LED	LUG2	4211-5005	LUG
188	2240-7315	HOLDER, PANEL	LUG3	4211-5005	LUG
189	2240-7310	HOLDER, WIRING	LUG4	4211-5005	LUG G G
190	2240-7233	HOLDER, 4/8 SWITCH HOLD	LUG5	4211-5005	LUG G GB
191	2240-364	HOLDER, AC CORD	LUG6	4211-5005	LUG G GB
192	2240-7240	HOLDER, VOLUME	Q437	5611-1306(O)or(Y)	XISTOR, PNP R
193	2111-11758	FELT	Q438	5611-1306(O)or(Y)	XISTOR, PNP R
194	2132-7126	SPACER, LED	Q439	5613-3928(O)or(Y)	XISTOR, NPN R
195	2132-7136	SPACER, HEAT SINK	Q440	5613-3928(O)or(Y)	XISTOR, NPN R
196	2132-01702	SPACER, MUTE LED	Q441	5613-3281(O)or(R)	XISTOR, NPN R
198	2112-0040	SPONGE, LED	Q442	5613-3281(O)or(R)	XISTOR, NPN R
199	2224-7120	INSULATOR, AV HEAT	Q443	5613-3281(O)or(R)	XISTOR, NPN R
200	2224-7100	INSULATOR, MAIN PCB	Q444	5613-3281(O)or(R)	XISTOR, NPN R
201	2224-7101	INSULATOR, DRIVER MAIN	Q445	5611-1302(O)or(R)	XISTOR, PNP R
202	2224-7101	INSULATOR, MAIN PCB	Q446	5611-1302(O)or(R)	XISTOR, PNP R
203	2224-7118	INSULATOR, AV PCB	Q447	5611-1302(O)or(R)	XISTOR, PNP R
204	2402-0374	WASHER	Q448	5611-1302(O)or(R)	XISTOR, PNP R
205	2402-0374	WASHER	Q623	5613-3928(O)or(Y)	XISTOR, NPN R
207	2410-100	SPECIAL WASHER	Q624 D409	5611-1306(O)or(Y) 5641-MV12YM	XISTOR, PNP R VARISTOR
209	2410-7005	SPECIAL NUT	D403	5641-MV12YM	VARISTOR
210	2440-7011	SPECIAL NUT SPECIAL NUT	5410	3041-M4121M	TAMBION
211 212	2440-7016 2310-7015	SPECIAL SCREW			
214	2601-7150	SHAFT, POWER			
215	2601-7077	SHAFT			
216	2601-7151	SHAFT, SP(AL)			
217	2601-7153	SHAFT, SP			
218	2651-2101710	SPRING			
219	2651-110518	SPRING			
220	2651-210189	SPRING			
222	2459-3005511	PRASTIC RIVET			
223	2320-34	SPECIAL SCREW			
224	2340-7003	SPECIAL SCREW			
225	2327-260549	SCREW			
226	2327-R0130064	SCREW			
227	2327-R0130064	SCREW			
228	2327-R0130064	SCREW			
229	2327-R0130022	SCREW			
230	2343-300826	SCREW			
232	2347-R0130062	SCREW	<u>:</u>		
233	2347-R0130062	SCREW			
234	2347-R0130062	SCREW		-	
235	2347-R0130084	SCREW			
236	2347-R0130084	SCREW -			
237	2347-R0130084	SCREW			
238	2347-R0130104	SCREW			

239

240

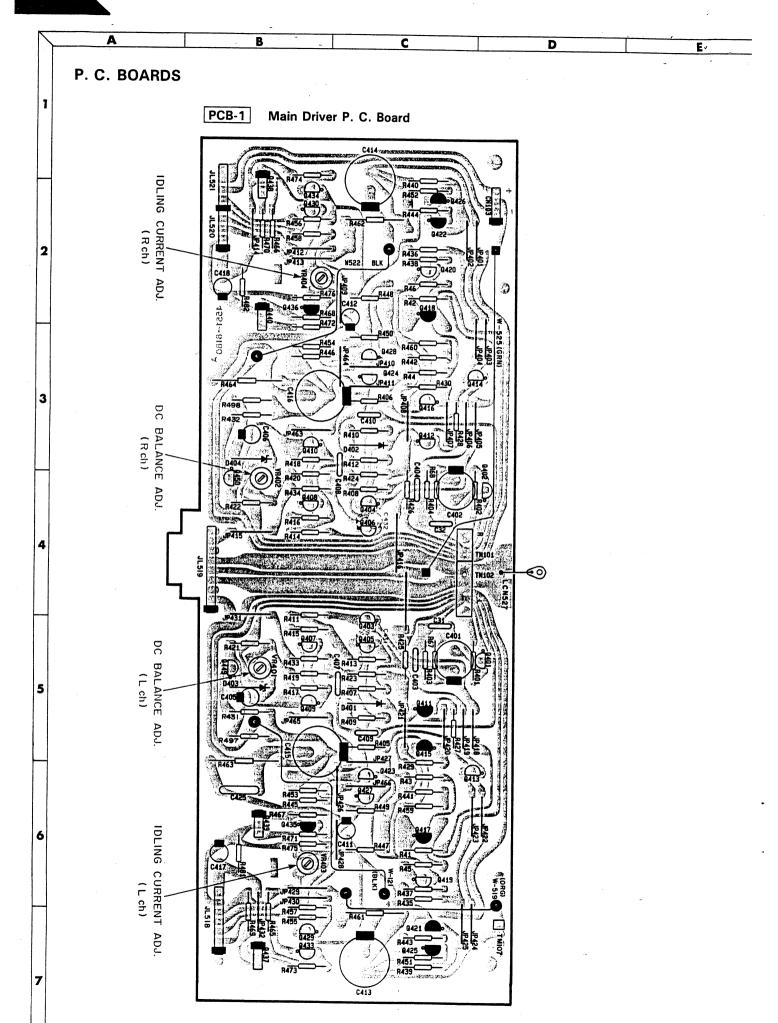
240B

2347-R0140064

2347-R0140082 2347-R0140102 SCREW

SCREW UA BK

SCREW G GB N

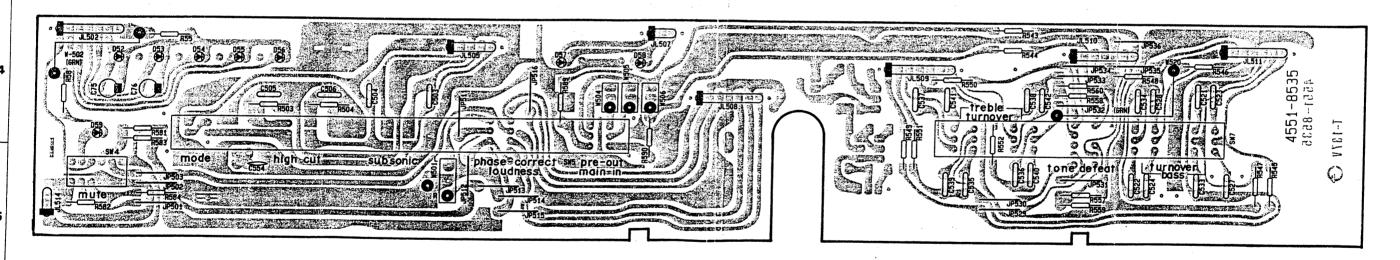




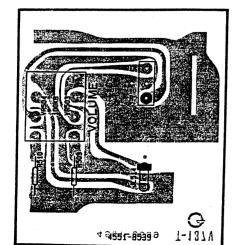
5 W4U1 speakersl speakers 2 1+2-SPEAKER SYSTEM I SPEAKER SYSTEM2 PCB-12 Headphone P. C Board 3 PCB-3 Power Switch P. C. Board **HEADPHONES** 4551-8538 🗗 T-137V

√1665 ¿Vxi

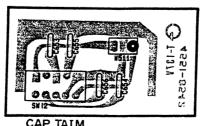
FUNCTION RECORD OUT VCR/TAPE MONITOR BALANCE TREBLE BASS



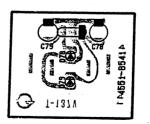
PCB-7 Volume P. C. Board



PCB-8 Capacitance Trim P. C. Board



PCB-9 4/8Ω LED P. C. Board

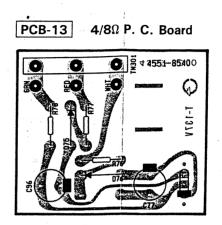


10 HARM-00135 / DRUCK 2

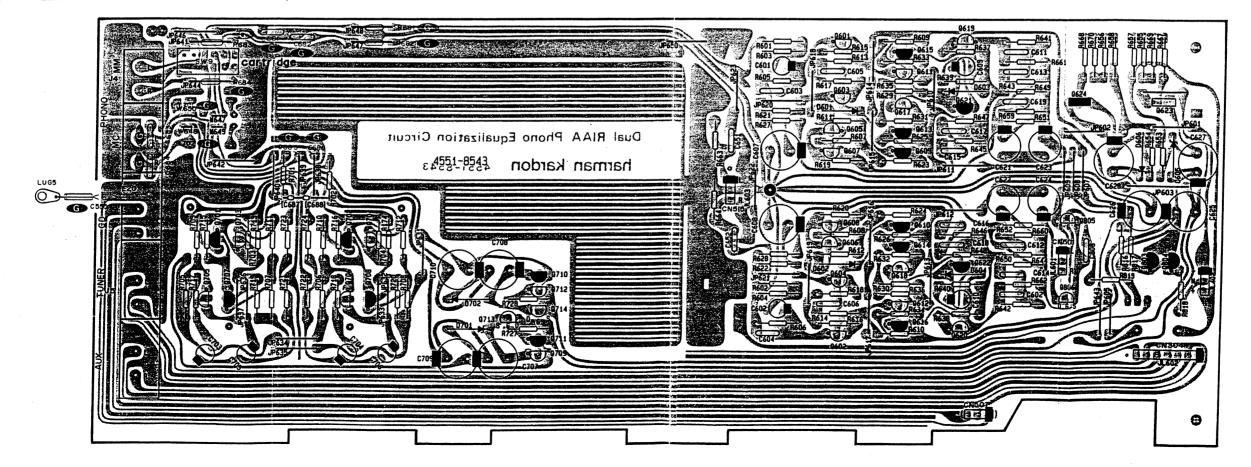


4455 1 2 85 3 7

AUDIO CONTRACTOR OF THE CONTRAC



PCB-11 Equalizer P. C. Board





ELECTRICAL PARTS LIST

	71 040		04D NAME SEE 100 (10)	805	n 1444	5114-222301	KES, MTL 1/4 2.2K
	71 C40		CAP, MINI ELE $100\mu/10V$	795	∆R443	5102-2214713	RES, FUSE 220
7	71 C40	2 5345-107B0951	CAP, MINI ELE $100\mu/10V$	795			RES, FUSE 220
7	76 C40	3 5359-2715851	CAP, PPP 270p				
7	76 C40	4 5359-2715851	CAP, PPP 270p	795			RES, FUSE 220
7			CAP, MINI ELE 330µ/25V	795	∆R446	5102-2214713	RES, FUSE 220
				804	R447	5174-153381	RES, MTL 1/4 15K
77			CAP, MINI ELE $330\mu/25V$	804	R448	5174-153381	RES, MTL 1/4 15K
78	30 C40	7 5353-040934	CAP, MCA 4p	804			
78	30 C408	8 5353-040934	CAP, MCA 4p				RES, MTL 1/4 15K
78	31 C409		010 1101 00	804			RES, MTL I/4 I5K
			· · · · · · · · · · · · · · · · · · ·	795	△R451	5102-2214713	RES, FUSE 220
78			CAP, MCA 68p	795	△R452	5102-2214713	RES, FUSE 220
77	72 C411	5345-106C0951	CAP, MINI ELE 10µ/16V	795	 ∆R453		RES, FUSE 220
77	72 C412	2 5345-106C0951	CAP, MINI ELE 10µ/16V	795			
77	74 C413	5345-477J0962	CAP, MINI ELE 470µ/100V			5102-2214713	RES, FUSE 220
77			CAP, MINI ELE 470µ/100V	819		5134-561J25P	RES, CBN 1/4P 560
				819	R456	5134-561J25P	RES, CBN 1/4P 560
77			CAP, MINI ELE 470µ/100V	820	- R457	5134-471J25P	RES, CBN 1/4P 470
77	'4 C416	5345-477J0962	CAP, MINI ELE 470µ/100V	820	R458	5134-471J25P	
77	2 C417	5345-106C0951	CAP, MINI ELE 10µ/16V				
· 77	2 C418	5345-106C0951	CAP, MINI ELE 10µ/16V	807	R459	5134-131J25P	RES, CBN 1/4P 130
06			CAP, CER 100p G GB	807	R460	5134-131J25P	RES, CBN 1/4P 130
				794	△R461	5102-1005711	RES, FUSE 10
06			CAP, CER 100p G GB	794	∆R462	5102-1005711	RES, FUSE 10
06	6B C557	5361-101KB	CAP, CER 100p 🌀 😘	794	 ∆R463	5102-1005711	
06	68 C558	5361-101KB	CAP, CER 100p G GB	794			RES, FUSE 10
		DECICTORS			∆R464	5102-1005711	RES, FUSE 10
		RESISTORS		796	△R465	5102-1014713	RES, FUSE 100
828	8 R41	5134-223J25P	RES, CBN 1/4P 22K	796	 ∆R466	5102-1014713	RES, FUSE 100
828	8 R42	5134-223J25P	RES, CBN I/4P 22K -	796	△R467	5102-1014713	RES, FUSE 100
828	8 R43	5134-223J25P	RES, CBN 1/4P 22K	796	∆R468	5102-1014713	•
828		5134-223J25P	RES, CBN I/4P 22K				RES, FUSE 100
				798	△R469	5102-3R3579	RES, FUSE 3.3
828		5134-223J25P	RES, CBN I/4P 22K	798	△R470	5102-3R3579	RES, FUSE 3.3
828	3 R46	5134-223J25P	RES, CBN 1/4P 22K	798	△R471	5102-3R3579	RES, FUSE 3.3
847	7 R67	5134-105J25P	RES, CBN 1/4P IM	798	△R472	5102-3R3579	RES, FUSE 3.3
847	7 R68	5134-105J25P	RES, CBN 1/4P IM	821	R473	5134-150J25P	
808		5134-102J25P	RES, CBN 1/4P IK				RES, CBN 1/4P 15
808				821	R474	5134-150J25P	RES, CBN 1/4P 15
		5134-102J25P	RES, CBN I/4P IK	821	R475	5134-150J25P	RES, CBN 1/4P 15
809		5134-223J25P	RES, CBN I/4P 22K	821	R476	5134-150J25P	RES, CBN 1/4P 15
809	R404	5134-223J25P	RES, CBN 1/4P 22K	823	△R481	5102-8204713	RES, FUSE 82
810	R405	5134-683J25P	RES, CBN I/4P 68K	823	△R482	5102-8204713	RES, FUSE 82
810	R406	5134-683J25P	RES, CBN I/4P 68K	827			
	△R407				R497	5134-273J25P	RES, CBN I/4P 27K
		5102-1824715	RES, FUSE 1.8K	827	R498	5134-273J25P	RES, CBN I/4P 27K
799		5102-1824715	RES, FUSE 1.8K			TRANSISTORS	
799	△R409	5102-1824715	RES, FUSE 1.8K	770	Q401		FFT NOU
799	△R410	5102-1824715	RES, FUSE 1.8K			5616-2SK364(V)or(BL)	
812	R411	5134-221J25P	RES, CBN 1/4P 220	770	Q402	5616-2SK364(V)or(BL)	FET, N-CH
812		5134-221J25P		741	Q403	5613-2240(BL)	XISTOR, NPN R
				741	Q404	5613-2240(BL)	XISTOR, NPN R
812		5134-221J25P	RES, CBN 1/4P 220	741	Q405	5613-2240(BL)	XISTOR, NPN R
812	R414	5134-221J25P	RES, CBN I/4P 220	741	Q406	5613-2240(BL)	•
813	R415	5134-562J25P	RES, CBN 1/4P 5.6K				XISTOR, NPN R
813	R416	5134-562J25P	RES, CBN I/4P 5.6K	745	Q407	5613-1845(E)or(F)	XISTOR, NPN R
814	R417	5134-391J25P	RES, CBN 1/4P 390	745	Q408	5613-1845(E)or(F)	XISTOR, NPN R
				745	Q409	5613-1845(E)or(F)	XISTOR, NPN R
814	R418	5134-391J25P	RES, CBN 1/4P 390	745	Q410	5613-1845(E)or(F)	XISTOR, NPN R
815	R419	5134-473J25P	RES, CBN 1/4P 47K	744	Q411	5612-649A(C)	
815	R420	5134-473J25P	RES, CBN 1/4P 47K	744			XISTOR, PNP A
816	R421	5134-473J25P	RES, CBN I/4P 47K		Q412	5612-649A(C)	XISTOR, PNP A
816	R422	5 i 34-473J25P	RES, CBN 1/4P 47K	766	Q413	5613-2320L(F)	XISTOR, NPN R
				766	Q414	5613-2320L(F)	XISTOR, NPN R
802	R423	5174-361381	RES, MTL 1/4 360	767	Q415	5611-999L(F)	XISTOR, PNP R
802	R424	5174-361381	RES, MTL 1/4 360	767	Q416	5611-999L(F)	
801	R425	5174-270381	RES, MTL 1/4 27	743			XISTOR, PNP R
801	R426	5174-270381	RES, MTL 1/4 27	-	0417	5611-992(E)	XISTOR, PNP R
797	∆R427	5102-1224713	RES, FUSE 1.2K	743	Q418	5611-992(E)	XISTOR, PNP R
797	∆R428			746	Q419_	5613-2705(O)or(Y)	XISTOR, NPN R
		5102-1224713	RES, FUSE 1.2K	746	Q420	5613-2705(O)or(Y)	XISTOR, NPN R
797	∆R429	5102-1224713	RES, FUSE 1.2K	748	Q421	5611-1285A(F)	XISTOR, PNP R
797	∆R430	5102-1224713	RES, FUSE 1.2K	748	Q422		
825	R431	5134-103J25P	RES, CBN 1/4P 10K			5611-1285A(F)	XISTOR, PNP R
825	R432	5134-103J25P	RES, CBN 1/4P IOK	747	Q423	5613-3245A(F)	XISTOR, NPN R
803	R433	5174-243381	RES. MTL 1/4 24K	747	Q424	5613-3245A(F)	XISTOR, NPN R
				748	Q425	5611-1285A(F)	XISTOR, PNP R
803	R434	5174-243381	RES, MTL 1/4 24K	748	Q426	5611-1285A(F)	XISTOR, PNP R
818	R435	5134-153J25P	RES, CBN I/4P I5K	747	Q427	5613-3245A(F)	
818	R436	5134-153J25P	RES, CBN 1/4P 15K	747	Q428		XISTOR, NPN R
				.71	V450	5613-3245A(F)	XISTOR, NPN R

	150	J Q436	5612-649A(C)	XISTUR, PNP A	0.4	0 05	5124 100 1050	
	755	Q437	5611-1306(O)or(Y)	XISTOR, PNP R	849 850		5134-103J25P	RES, CBN 1/4P 10K
	755	Q438	5611-1306(0)or(Y)	XISTOR, PNP R	85		5134-222J25P 5134-473J25P	RES, CBN 1/4P 2.2K RES, CBN 1/4P 47K
	752	-	5613-3298(O)or(Y)	XISTOR, NPN R	85		5134-334J25P	RES, CBN 1/4P 47K RES, CBN 1/4P 330K
	752		5613-3298(O)or(Y)	XISTOR, NPN R	853		5134-104J25P	RES, CBN 1/4P 100K
	742	-	5611-970(BL)	XISTOR, PNP R	853			RES, CBN 1/4P 100K
	742	Q450	5611-970(BL)	XISTOR, PNP R	849	RII		RES, CBN I/4P 10K
			DIODES		854	RI2	5134-225J25P	RES, CBN 1/4P 2.2M
	763		5631-IS2473	DIODE, DET	855	RI3	5134-684J25P	RES, CBN 1/4P 680K
	763		5631-152473	DIODE, DET	856		5134-184J25P	RES, CBN 1/4P 180K
	764 764		5635-HZ15-2L	DIODE, ZENER	853		5134-104J25P	RES, CBN 1/4P 100K
	104	D404	5635-HZ15-2L	DIODE, ZENER	851		5134-473J25P	RES, CBN 1/4P 47K
	701		CONTROLS		857		5134-223J25P	RES, CBN 1/4P 22K
	791	VR401	5101-6838875	RES, SEMI FIX 68K	851 858		5134-473J25P	RES, CBN 1/4P 47K
	791 792	VR402 VR403	5101-6838875	RES, SEMI FIX 68K	857		5134-152J25P	RES, CBN 1/4P 1.5K
	792	VR403	5101-4717675 5101-4717675	RES, SEMI FIX 470	859		5134-223J25P 5134-393J25P	RES, CBN 1/4P 22K
	:	*******		RES, SEMI FIX 470	849		5134-103J25P	RES, CBN 1/4P 39K RES, CBN 1/4P 10K
	042	011100	MISCELLANEOUS		857		5134-223J25P	RES, CBN 1/4P 10K
	943	CN103	4443-030185	CONNECTOR	851	R24	5134-473J25P	RES, CBN 1/4P 47K
	789	LCN527	4163-0107020	CONNECTOR W/W	882		5102-6804713	RES, FUSE 68
	967	JL518	4242-R0307201	JUMPER LEAD	881	R26	5135-101J50P	RES, CBN 1/2P 100
	967	JL519	4242-R0307201	JUMPER LEAD	880	R27	5134-682J25P	RES, CBN 1/4P 6.8K
	968	JL520	4242-R0304201	JUMPER LEAD	860	R29	5134-562J25P	RES, CBN 1/4P 5.6K
	968	JL521	4242-R0304201	JUMPER LEAD	860	R30	5134-562J25P	RES, CBN 1/4P 5.6K
	947	TMIOI	4214-11021	TERMINAL	860	R31	5134-562J25P	RES, CBN 1/4P 5.6K
	948	TM102	4214-11031	TERMINAL	860	R32	5134-562J25P	RES, CBN 1/4P 5.6K
	950	TM107	4214-11013	TERMINAL	844	R33	5134-152J25P	RES, CBN 1/4P 1.5K
					844	R34	5134-152J25P	RES, CBN 1/4P 1.5K
			A CONTRACTOR OF THE CONTRACTOR		860	R35	5134-562J25P	RES, CBN 1/4P 5.6K
			PCB-2 MAIN	P.C.BOARD	860	R36	5134-562J25P	RES, CBN 1/4P 5.6K
	064	C2			860 860	R37 R38	5134-562J25P	RES, CBN 1/4P 5.6K
	864 864	C3 C4	5352-1041957 5352-1041957	CAP, MTL .Iµ	846	R39	5134-562J25P 5134-472J25P	RES, CBN 1/4P 5.6K
	864	C5	5352-1041957	CAP, MTL .Iµ	846	R40	5134-472J25P	RES, CBN 1/4P 4.7K RES, CBN 1/4P 4.7K
	864	C6	5352-1041957	CAP, MTL .Iμ CAP, MTL .Iμ	850	R57	5134-222J25P	RES, CBN 1/4P 4.7K RES, CBN 1/4P 2.2K
		ΔC7	5341-003HM828	CAP, ELE 8200µ/80V	845	R59	5134-102J25P	RES, CBN 1/4P IK
			5341-003HM828	CAP, ELE 8200µ/80V	860	R87	5134-562J25P	RES, CBN 1/4P 5.6K
8	370		5341-003HM828	CAP, ELE 8200µ/80V	860	R88	5134-562J25P	RES, CBN 1/4P 5.6K
8	370	∆ C10	5341-003HM828	CAP, ELE 8200µ/80V	860	R89	5134-562J25P	RES, CBN 1/4P 5.6K
8	339	CII	5345-336B0951	CAP, MINI ELE 33µ/10V	860	R90	5134-562J25P	RES, CBN 1/4P 5.6K
	340		5354-334593	CAP, MYL .33 μ	822	R477	5134-100J25P	RES, CBN 1/4P 10
	340		5354-334593	CAP, MYL .33 μ	822	R478	5134-100J25P	RES, CBN 1/4P 10
	342		5354-332J1HM	CAP, MYL 3300p	822	R479	5134-100J25P	RES, CBN 1/4P 10
	76		5345-476F041	CAP, MINI ELE 47µ/50V	822	R480	5134-100J25P	RES, CBN 1/4P 10
	41		5354-104593	CAP, MYL .Iμ	785 785	R483	5275-R27671	RES, CEM 5P .27
	38		5354-104593 5345-47550053	CAP, MYL .Iµ	785	R484 R485	5275-R27671	RES, CEM 5P .27
	36 77		5345-475F0952 5345-107C041	CAP, MINI ELE 4.7µ/50V	785	R486	5275-R27671 5275-R27671	RES, CEM 5P .27
	78		5345-476C041	CAP, MINI ELE 100µ/16V	786	R487	5173-5R6571	RES, CEM 5P .27 RES, MTL 2 5.6
	62B		5352-1040962	CAP, MINI ELE $47\mu/16V$ CAP, MTL .1 μ G GB	786	R488	5173-5R6571	RES, MTL 2 5.6
	62B		3352-1040962	CAP, MTL .Iµ G GB	786	R489	5173-5R6571	RES, MTL 2 5.6
7	78		354-683593	CAP, MYL .068µ	786	R490	5173-5R6571	RES, MTL 2 5.6
7	78		354-683593	CAP, MYL .068µ	787	R491	5171-220572	RES, MTL I 22
7	78		354-683593	CAP, MYL .068µ	787	R492	5171-220572	RES, MTL I 22
77	78	C422 5	354-683593	CAP, MYL .068µ			TRANSISTORS	
				-	831	QI	5613-2603(E)or(F)	XISTOR, NPN R
					832	Q2	5611-1115(E)or(F)	XISTOR, PNP R
					831	Q3	5613-2603(E)or(F)	XISTOR, NPN R
					832	Q4	5611-1115(E)or(F)	XISTOR, PNP R
					832	Q7	5611-1115(E)or(F)	XISTOR, PNP R
					833	Q8	5613-1845(E)or(F)	XISTOR, NPN R
					834	Q9	5611-992(E)or(F)	XISTOR, PNP R
					834	Q10	5611-992(E)or(F)	XISTOR, PNP R
					873 758	Q13 Q441	5611-1359(0)or(Y) 5613-3281(0)or(R)	XISTOR, PNP R
					130	U441	JO 1-3+3/X ((())0*(())	YISTOR NON D

Q441 5613-3281(O)or(R)

Q442 5613-3281(O)or(R)

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XISTOR, NPN R

XISTOR, NPN R

Ser. I	No. Ref. No.	Part No.	Description
760	Q443	5611-1302(O)or(R)	XISTOR, PNP R
760	Q444	5611-1302(O)or(R)	XISTOR, PNP R
758	Q445	5613-3281(O)or(R)	XISTOR, NPN R
758	Q446	5613-3281(O)or(R)	XISTOR, NPN R
760	Q447	5611-1302(O)or(R)	XISTOR, PNP R
760	Q448	5611-1302(O)or(R)	XISTOR, PNP R
		DIODES	
836	D3	5632-DS135E	DIODE, RECT
836	D4	5632-DS135E	DIODE, RECT
835	D5	5635-HZ6A-2L	DIODE, ZENER
837	D6	5631-1S2473	DIODE, DET
874	D7	5635-HZ15-2L	DIODE, ZENER
872	D8	5631-IS2473	DIODE, DET
869	∆D13	5685-D5FB20F1	SILICON, BRIG
869	△DI4	5685-D5FB20F1	SILICON, BRIG
765	D405	5632-10DF2	DIODE, RECT
765	D406	5632-10DF2	DIODE, RECT
765	D407	5632-10DF2	DIODE, RECT
765	D408	5632-10DF2	DIODE, RECT
762	D409	5641-MV12YM	VARISTOR
762	D410	5641-MV12YM	VARISTOR
		COILS	
769	L401	5597-45502	CORE, BEADS
769	L402	5597-45502	CORE, BEADS
769	L403	5597-45502	CORE, BEADS
769	L404	5597-45502	CORE, BEADS
768	L405	5991-7165	SPRING COIL
768	L406	5991-7165	SPRING COIL
		MISCELLANEOUS	
779		4163-0145024	CONNECTOR W/W
782		4163-0145025	CONNECTOR W/W
783		4163-0145026	CONNECTOR W/W
784		4163-0145027	CONNECTOR W/W
788		4163-0110024	CONNECTOR W/W
788	LCN516	4163-0110024	CONNECTOR W/W
945	CNIDI	4443-030185	CONNECTOR
945	CN102	4443-030185	CONNECTOR
949	TM103	4214-11033	TERMINAL
949	TM104	4214-11033	TERMINAL
946	TM105	4214-11021	TERMINAL
946	TM106	4214-11021	TERMINAL

G)
G A

Ser. No.	Ref. No.	Part No.	Description	•
***************************************		PCB-4 SPEAK	ER P.C.BOARD	
		RESISTORS		A TOTAL STATE SHOW A
826	R493	5134-102J25P	RES, CBN 1/4P IK	
826	R494	5134-102J25P	RES, CBN 1/4P IK	
826	R495	5134-102J25P	RES, CBN 1/4P IK	
826	R496	5134-102J25P	RES, CBN 1/4P IK	
		MISCELLANEOUS		
927	TM901	4214-156	TERMINAL	

			I P.C.BOARD
Michie			
		CAPACITORS	
729	C17	5345-337D041	CAP, MINI ELE 330µ/25V
729	C18	5345-337D041	CAP, MINI ELE 330µ/25V
730	C21	5345-227D041	CAP, MINI ELE 220µ/25V
730	C22	5345-227D041	CAP, MINI ELE 220µ/25V
731	C61	5345-107C041	CAP, MINI ELE 100μ/16V
731 730	C62	5345-107C041	CAP, MINI ELE 100µ/16V
730	C63 C64	5345-227D041	CAP, MINI ELE 220µ/25V
664	C501	5345-227D041 5353-181534	CAP, MINI ELE 220µ/25V
664	C502	5353-181534	CAP, MCA 180p CAP, MCA 180p
660	C508	5345-106C0951	CAP, MINI ELE 10µ/16V
667	C511	5353-010934	CAP, MCA Ip
667	C512	5353-010934	CAP, MCA Ip
661	C513	5345-226D0951	CAP, MINI ELE 22µ/25V
661	C514	5345-226D0951	CAP, MINI ELE 22µ/25V
668	C515	5353-330534	CAP, MCA 33p
668	C516	5353-330534	CAP, MCA 33p
668	C517	5353-330534	CAP, MCA 33p
668	C518	5353-330534	CAP, MCA 33p
662	C519	5345-476C0951	CAP, MINI ELE 47µ/16V
662	C520	5345-476C0951	CAP, MINI ELE 47µ/16V
659	C543	5345-227D041	CAP, MINI ELE 220µ/25V
659	C544	5345-227D041	CAP, MINI ELE 220µ/25V
066B		5361-101KB	CAP, CER 100p
0660		5361-101KB	CAP, CER 100p
066B		5361-101KB	CAP, CER 100p
660	C558 C507	5361-101KB	CAP, CER 100p
625	C901	5345-106C0951 5345-104F0951	CAP, MINI ELE 10µ/16V
625	C902	5345-104F0951	CAP, MINI ELE .1µ/50V CAP, MINI ELE .1µ/50V
629	C903	5354-154593	CAP, MYL .15µ
629	C904	5354-154593	CAP, MYL .15µ
627	C905	5345-107D045	CAP, MINI ELE 100µ/25V
627	C906	5345-107D045	CAP, MINI ELE 100µ/25V
630	C907	5354-334593	CAP, MYL .33µ
630	C908	5354-334593	CAP, MYL .33µ
626	C909	5345-224F0951	CAP, MINI ELE .22µ/50V
626	C910	5345-224F0951	CAP, MINI ELE .22µ/50V
624	C911	5345-227D041	CAP, MINI ELE 220µ/25V
624	C912	5345-227D041	CAP, MINI ELE 220µ/25V
		RESISTORS	•
732	△R47	5102-1214715	RES, FUSE 120
732	∆R48	5102-1214715	RES, FUSE 120
734	R49	5176-S010J271	RES, MTL 1/2 270
734	R50	5176-S010J271	RES, MTL 1/2 270
734	R5 I	5176-S010J271	RES, MTL 1/2 270
734	R52	5176-S010J271	RES, MTL 1/2 270
734	R53	5176-S010J271	RES, MTL 1/2 270
734 940	R54	5176-S010J271	RES, MTL 1/2 270
_733	R56 ∧ R61	5134-152J25P	RES, CBN 1/4P 1.5K
733	ΔR61 ΔR62	5102-3914715 5102-3914715	RES, FUSE 390
735	ÆR62 R63	5176-S010J391	RES, FUSE 390
735	R64	5176-S010J391	RES, MTL 1/2 390 RES, MTL 1/2 390
735	R65	5176-S010J391	
735	R66	5176-50103391	RES, MTL 1/2 390 RES, MTL 1/2 390
737	R69	5134-153J25P	RES, CBN 1/4P 15K
			120, 0011 1/41 130

Ser. I	lo. Ref. No.	Part No.	Description		Ser. N	o. Ref. No.	Part No.	Description
737	R70	5134-153J25P	RES, CBN 1/4P	15K	***************************************		TRANSISTORS	
736	R71	5134-123J25P	RES, CBN 1/4P	12K	721	Q5	5613-3422(O)or(Y)	XISTOR, NPN R
736 738	R72 △R91	5134-123J25P	RES, CBN 1/4P	12K	722	Q6	5611-1359(O)or(Y)	XISTOR, PNP R
738	△R92	5102-1014715 5102-1014715	RES, FUSE 100		721	QII	5613-3422(O)or(Y)	XISTOR, NPN R
681	R501	5134-102J25P	RES, FUSE 100 RES, CBN 1/4P	, IK	722	Q12	5611-1359(O)or(Y)	XISTOR, PNP R
681	R502	5134-102J25P	RES, CBN 1/4P	IK	651 651	Q501 Q502	5613-2320L(F)	XISTOR, NPN R
683	R505	5134-394J25P	RES, CBN 1/4P	390K	651	Q502 Q503	5613-2320L(F) 5613-2320L(F)	XISTOR, NPN R XISTOR, NPN R
683	R506	5134-394J25P	RES, CBN 1/4P	390K	651	Q504	5613-2320L(F)	XISTOR, NPN R
682	R507	5134-274J25P	RES, CBN 1/4P	270K	652	Q505	5613-2603(E)or(F)	XISTOR, NPN R
682	R508	5134-274J25P	RES, CBN 1/4P	270K	652	Q506	5613-2603(E)or(F)	XISTOR, NPN R
700 700	R511 R512	5134-331J25P	RES, CBN 1/4P	330	652	Q507	5613-2603(E)or(F)	XISTOR, NPN R
684	R519	5134-331J25P 5134-473J25P	RES, CBN 1/4P RES, CBN 1/4P	330 47K	652	Q508	5613-2603(E)or(F)	XISTOR, NPN R
684	R520	5134-473J25P	RES, CBN 1/4P	47K	653 653	Q509	5611-1115(E)or(F)	XISTOR, PNP R
685	R521	5134-332J25P	RES, CBN 1/4P	3.3K	652	Q510 Q511	5611-1115(E)or(F) 5613-2603(E)or(F)	XISTOR, PNP R
685	R522	5134-332J25P	RES, CBN 1/4P	3.3K	652	Q512	5613-2603(E)or(F)	XISTOR, NPN R XISTOR, NPN R
685	R523	5134-332J25P	RES, CBN 1/4P	3.3K	653	Q513	5611-1115(E)or(F)	XISTOR, PNP R
685	R524	5134-332J25P	RES, CBN 1/4P	3.3K	653	Q514	5611-1115(E)or(F)	XISTOR, PNP R
686 686	R525 R526	5134-471J25P	RES, CBN 1/4P	470	655	Q515	5611-992(E)	XISTOR, PNP R
686	R527	5134-471J25P 5134-471J25P	RES, CBN 1/4P RES, CBN 1/4P	470 470	655	Q516	5611-992(E)	XISTOR, PNP R
686	R528	5134-471J25P	RES, CBN 1/4P	470	654 654	Q517	5613-1845(E)	XISTOR, NPN R
687	R529	5134-331J25P	RES, CBN 1/4P	330	621	Q518 Q901	5613-1845(E) 5613-2603(F)or(E)	XISTOR, NPN R
687	R530	5134-331J25P	RES, CBN 1/4P	330	621	Q902	5613-2603(F)or(E)	XISTOR, NPN R XISTOR, NPN R
688	R531	5134-222J25P	RES, CBN 1/4P	2.2K	622	Q903	5611-1115(F)or(E)	XISTOR, PNP R
688	R532	5134-222J25P	RES, CBN 1/4P	2.2K	622	Q904	5611-1115(F)or(E)	XISTOR, PNP R
688 688	R533	5134-222J25P	RES, CBN 1/4P	2.2K	621	Q905	5613-2603(F)or(E)	XISTOR, NPN R
689	R534 R535	5134-222J25P 5134-274J25P	RES, CBN 1/4P RES, CBN 1/4P	2.2K	621	Q906	5613-2603(F)or(E)	XISTOR, NPN R
689	R536	5134-274J25P	RES, CBN 1/4P	270K 270K			DIODES	
690	R537	5134-153J25P	RES, CBN 1/4P	15K	726	D9	5635-HZ24-2L	DIODE, ZENER
690	R538	5134-153J25P	RES, CBN 1/4P	15K	726 727	DIO DII	5635-HZ24-2L	DIODE, ZENER
687	R539	5134-331J25P	RES, CBN 1/4P	330	727	D12	5635-HZ15-2L 5635-HZ15-2L	DIODE, ZENER
687	R540	5134-331J25P	RES, CBN 1/4P	330	657	D503	5631-IS2473	DIODE, ZENER DIODE, DET
687 687	R541 R542	5134-331J25P 5134-331J25P	RES, CBN 1/4P	330	657	D504	5631-152473	DIODE, DET
691	R553	5134-331325P	RES, CBN 1/4P RES, CBN 1/4P	330 120			CONTROLS	
691	R554	5134-121J25P	RES, CBN 1/4P	120	913	VR501	5113-50396122	RES, V CBN 16 50K
684	R555	5134-473J25P	RES, CBN 1/4P	47K	913	VR502	5113-50396122	RES, V CBN 16 50K
684	R556	5134-473J25P	RES, CBN 1/4P	47K	909	VR505	5113-50373148	RES, V CBN 16 50K
688	R561	5134-222J25P	RES, CBN 1/4P	2.2K	909	VR506	5113-50373148	RES, V CBN 16 50K
688 641	R562 R901	5134-222J25P	RES, CBN 1/4P	2.2K	911 911	VR507 VR508	5113-10474148 5113-10474148	RES, V CBN 16 100K
641	R902	5134-102J25P 5134-102J25P	RES, CBN 1/4P RES, CBN 1/4P	IK IK	3.,,	***************************************		RES, V CBN 16 100K
632	R903	5134-684J25P	RES, CBN 1/4P	680K	969	JL501	MISCELLANEOUS 4242-R0403201	HIMDED LEAD
632	R904	5134-684J25P	RES, CBN 1/4P	680K	970	JL502	4242-R0307800	JUMPER LEAD JUMPER LEAD
633	R905	5134-224J25P	RES, CBN 1/4P	220K	971	JL503	4242-R0407181	JUMPER LEAD
633	R906	5134-224J25P	RES, CBN 1/4P	220K	972	JL504	4242-R0307551	JUMPER LEAD
634	R907	5134-332J25P	RES, CBN 1/4P	3.3K	973	JL505	4242-R0305800	JUMPER LEAD
634 634	R908 R909	5134-332J25P 5134-332J25P	RES, CBN 1/4P RES, CBN 1/4P	3.3K	974	JL506	4242-R0307601	JUMPER LEAD
634	R910	5134-332J25P	RES, CBN 1/4P	3.3K 3.3K	975 970	JL.507 JL.508	4242-R0303141	JUMPER LEAD
635	R911	5134-183J25P	RES, CBN 1/4P	18K	970	JL508 JL509	4242-R0307800 4242-R0307800	JUMPER LEAD JUMPER LEAD
635	R912	5134-183J25P	RES, CBN 1/4P	18K	970	JL510	4242-R0307800	JUMPER LEAD
636	R913	5134-472J25P	RES, CBN 1/4P	4.7K	970	JL511	4242-R0307800	JUMPER LEAD
636	R914	5134-472J25P	RES, CBN 1/4P	4.7K	976	JL515	4242-R0303551	JUMPER LEAD
638 638	R915 R916	5134-562J25P 5134-562J25P	RES, CBN 1/4P	5.6K	978	JL516	4242-R0403181	JUMPER LEAD
634	R917	5134-332J25P	RES, CBN 1/4P RES, CBN 1/4P	5.6K 3.3K	979 981	JL517	4242-R0403181	JUMPER LEAD
634	R918	5134-332J25P	RES, CBN 1/4P	3.3K	980	JL801 JL802	4242-R0304651 4242-R0304651	JUMPER LEAD JUMPER LEAD
635	R919	5134-183J25P	RES, CBN 1/4P	18K	897	SWI		
635	R920	5134-183J25P	RES, CBN 1/4P	18K	898	SW2	4424-00102045 4424-00103065	SWITCH, RO-SL SWITCH, RO-SL
637	R921	5134-331J25P	RES, CBN 1/4P	330	899	SW3	4424-00101043	SWITCH, RO-SL
637 634	R922	5134-331J25P	RES, CBN 1/4P	330	. 708 _		4163-0125020	CONNECTOR W/W
634	R923 R924	5134-332J25P 5134-332J25P	RES, CBN 1/4P	3.3K	709		4163-0125024	CONNECTOR W/W
639	R925	5134-332J25P 5134-221J25P	RES, CBN 1/4P RES, CBN 1/4P	3.3K 220				
639	R926	5134-221J25P	RES, CBN 1/4P	220			-	
637	R927	5134-331J25P	RES, CBN 1/4P	330	·•			
637	R928	5134-331J25P	RES, CBN 1/4P	330				
640	R929	5134-104J25P	RES, CBN 1/4P	100K				
640	R930	5134-104J25P	RES, CBN 1/4P	100K				

Species and		Part No.	Description	501.110.	Ref. No.	Part No.	<u>Description</u>
a	het about	PCB-6 TONE	2 P.C.BOARD			PCB-7 VOLUN	
		CAPACITORS				RESISTORS	
33	C75	5345-106C0951	CAP, MINI ELE 10µ/16V	703	R509	5134-472J25P	RES, CBN 1/4P 4.7K
33 4	∆C76	5345-106C0951	CAP, MINI ELE 10µ/16V	703	R510	5134-472J25P	RES, CBN 1/4P 4.7K
43	C503	5354-394593	CAP, MYL .39µ			CONTROLS	
43	C504	5354-394593	CAP, MYL .39µ	907	VR503	5113-10472147	RES, V CBN 16 100K
44	C505	5354-183J1HM	CAP, MYL .018µ	907	VR504	5113-10472147	RES, V CBN 16 100K
44	C506	5354-183J1HM	CAP, MYL .018µ			MISCELLANEOUS	
69	C521	5354-224593	CAP, MYL .22µ	942	CN514	4443-030185	CONNECTOR
69	C522	5354-224593	CAP, MYL .22µ				30111201011
79 70	C523	5354-393J1HM	CAP, MYL .039µ	- 2142 5 00	THE PERSON NAMED IN		
79 70	C524	5354-393J1HM	CAP, MYL .039µ		160	PCB-8 CAPACITAN	CE TRIM P.C.BOARD
72 72	C527 C528	5354-183J1HM	CAP, MYL .018µ	والمشاهد المستعدد	ويوزيرينوا	والمرافقة فالسمعات السب	
72 74		5354-183J1HM	CAP, MYL .018µ			CAPACITORS	
74 74	C533 C534	5354-104593	CAP, MYL .I μ CAP, MYL .I μ	558	C653	5359-1515851	CAP, PPP 150p
74 77	C535	5354-104593	CAP, MYL 6800p	558	C654	5359-1515851	CAP, PPP 150p
77	C535	5354-682J1HM 5354-682J1HM	CAP, MYL 6800p	559	C655	5359-5115851	CAP, PPP 510p
79	C537	5354-393J1HM	CAP, MYL .039µ	559	C656	5359-5115851	CAP, PPP 510p
79	C538	5354-393J1HM	CAP. MYL .039µ	106	SW12	4411-204714	SWITCH, ROTARY
65	C539	5359-2025851	CAP, PPP 2000p				·
65	C540	5359-2025851	CAP, PPP 2000p	=12.7 1	THE RESERVE THE PARTY OF THE PARTY.	CONTRACTOR OF THE PROPERTY OF	A STATE OF THE PROPERTY OF THE
78	C541	5354-123J1HM	CAP, MYL .012µ			PCB-9 4/8Ω L	ED P.C.BOARD
78	C542	5354-123J1HM	CAP, MYL .012µ	عبالة الحاكد	icine i susti adicase	and the second s	and the state of t
598	C554	5361-223ZF	CAP, CER .022µ G GB			CAPACITORS	
	0004		5/11 , 5E11 15EE	934	C78	5345-106C0356	CAP, MINI ELE 10µ/16V
		RESISTORS	DEG 404 1/40 159	934	C79	5345-106C0356	CAP, MINI ELE 10µ/16V
38	R55	5134-152J25P	RES, CBN 1/4P 1.5K			DIODES	
39	R58	5134-122J25P	RES, CBN 1/4P 1.2K	935	D78	5637-SLP965B	LED
46	R503	5134-105J25P	RES, CBN 1/4P IM	935	D79	5637-SLP965B	LED
46	R504	5134-105J25P	RES, CBN I/4P IM				
02	R543	5134-102J25P	RES, CBN 1/4P 1K	***************************************	Andrew Andrews		
02	R544	5134-102J25P	RES, CBN 1/4P IK	4.4			ACK P.C.BOARD
97	R545	5134-153J25P	RES, CBN 1/4P 15K	. Addison	والتحقيد المتابات		Mary Tarrett samual along the same of the same of
597 502	R546	5134-153J25P	RES, CBN 1/4P 15K			CAPACITORS	
592 592	R547 R548	5134-272J25P 5134-272J25P	RES, CBN 1/4P 2.7K RES, CBN 1/4P 2.7K	613	C80	5345-337C041	CAP, MINI ELE 330µ/16V
593	R549	5134-331J25P	RES, CBN 1/4P 330	613	C81	5345-337C041	CAP, MINI ELE 330µ/16V
593	R550	5134-331J25P	RES, CBN 1/4P 330	060B	C551	5361-223ZF	CAP, CER .022# G GB
599	R551	5134-122J25P	RES, CBN 1/4P 1.2K	060B	C552	5361-223ZF	CAP, CER .022μ G G
599	R552	5134-122J25P	RES, CBN 1/4P 1.2K	060B	C553	5361-223ZF	CAP, CER .022μ G G B
	R557	5134-153J25P	RES, CBN 1/4P 15K	598	C802	5345-106C041	CAP, MINI ELE 10µ/16V
97	R558	5134-153J25P	RES, CBN 1/4P 15K	596	C811	5345-107B041	CAP, MINI ELE 100µ/10V
598	R559	5134-272J25P	RES, CBN 1/4P 2.7K	596	C812	5345-107B041	CAP, MINI ELE 100µ/10V
598	R560	5134-272J25P	RES, CBN 1/4P 2.7K	596	C813	5345-107B041	CAP, MINI ELE 100µ/10V
95	R581	5134-184J25P	RES, CBN 1/4P 180K	597	C814	5345-337B041	CAP, MINI ELE 330µ/10V
95	R582	5134-184J25P	RES, CBN 1/4P 180K	597	C815	5345-337B041	CAP, MINI ELE 330µ/10V
596	R583	5134-223J25P	RES, CBN I/4P 22K	597	C816	5345-337B041	CAP, MINI ELE 330µ/10V
596	R584	5134-223J25P	RES, CBN 1/4P 22K			RESISTORS	
701	R589	5134-391J25P	RES, CBN 1/4P 390	618	R80	5134-153J25P	RES, CBN 1/4P 15K
701	R590	5134-391J25P	RES, CBN 1/4P 390	615	∆R8 1	5102-3304715	RES, FUSE 33
			• • • • • • • • • • • • • • • • • • • •	617	R82	5176-S010J680	RES, MTL 1/2 68
126	DES	DIODES	LED	617	R83	5176-S010J680	RES, MTL 1/2 68
136 136	D52 D53	5637-GL5HD10 5637-GL5HD10	LED LED	617	R84	5176-S010J680	RES, MTL 1/2 68
136 136	D53 D54	5637-GL5HD10	LED	649	R585	5134-102J25P	RES, CBN 1/4P IK
936 936	D55	5637-GL5HD10	LED	649	R586	5134-102J25P	RES, CBN 1/4P IK
136 136	D56	5637-GL5HD10	LED	648	R587	5134-471J25P	RES, CBN 1/4P 470
36	D57	5637-GL5HD10	LED	648	R588	5134-471J25P	RES, CBN 1/4P 470
936	D57	5637-GL5HD10	LED	601	R801	5232-272J16P	RES, CBN I/6P 2.7K
937 937	D59	5637-5NG510(C)	LED	600	R802	5232-122J16P	RES, CBN 1/6P 1.2K
	233			603	R803	5232-393J16P	RES, CBN I/6P 39K
		MISCELLANEOUS	###DED 1 EAD	603	R804	5232-393J16P	RES, CBN I/6P 39K
983	JL514	4242-R0403101	JUMPER LEAD	603	R805	5232-393J16P	RES, CBN I/6P 39K
394	SW4	4431-A027161	SWITCH, PUSH	603	R806	5232-393J16P	RES, CBN I/6P 39K
393	SW5	4431-05127259	SWITCH, PUSH	603	R807	5232-393J16P	RES, CBN 1/6P 39K
392	SW7	4431-05127159	SWITCH, PUSH	603	R808	5232-393J16P	RES, CBN 1/6P 39K
				602	R810	5232-750J16P	RES, CBN 1/6P 75
				602	R811	5232-750J16P	RES, CBN 1/6P 75
				602	R812	5232-750J16P	RES, CBN 1/6P 75
				602	R813	5232-750J16P	RES, CBN 1/6P 75
				602	R814	5232-750J16P	RES, CBN 1/6P 75
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604 R82I 5232-271J16P RES, CBN 1/6P 270 716 C627 5345-337D041 CAP, MINI ELE 330μ/25\ 604 R822 5232-271J16P RES, CBN 1/6P 270 716 C628 5345-337D041 CAP, MINI ELE 330μ/25\ 605 R823 5232-221J16P RES, CBN 1/6P 220 557 C651 5359-3315851 CAP, PPP 330p 605 R824 5232-221J16P RES, CBN 1/6P 220 557 C652 5359-3315851 CAP, PPP 330p 605 R825 5232-221J16P RES, CBN 1/6P 220 053B C681 5353-330534 CAP, MCA 33p 6 605 R826 5232-221J16P RES, CBN 1/6P 220 053B C681 5353-330534 CAP, MCA 33p 6 605 R826 5232-221J16P RES, CBN 1/6P 220 053B C682 5353-330534 CAP, MCA 33p 6 605 R827 5232-221J16P RES, CBN 1/6P 220 052B C683 5354-473593 CAP, MYL .047μ 6 605 R828 5232-221J16P RES, CBN 1/6P 220 052B C684 5354-473593 CAP, MYL .047μ 6 606 R829 5232-331J16P RES, CBN 1/6P 330 051B C685 5359-6815851 CAP, PPP 680p 6 606 R830 5232-331J16P RES, CBN 1/6P 330 051B C686 5359-6815851 CAP, PPP 680p 6 606 R831 5232-331J16P RES, CBN 1/6P 330 051B C686 5359-6815851 CAP, PPP 680p 6 606 R831 5232-331J16P RES, CBN 1/6P 330 51B C686 5359-6815851 CAP, PPP 680p 6 607 R831 5232-331J16P RES, CBN 1/6P 330 51B C686 5359-6815851 CAP, PPP 680p 6 608 R830 5232-331J16P RES, CBN 1/6P 330 51B C686 5359-6815851 CAP, PPP 680p 6 609 Q80 5613-3422(O)or(Y) XISTOR, NPN R 512 C705 5345-106F0951 CAP, MINI ELE 10μ/50V 594 Q811 5613-2603(E)or(F) XISTOR, NPN R 512 C705 5345-106F0951 CAP, MINI ELE 10μ/50V 594 Q811 5613-2603(E)or(F) XISTOR, NPN R 511 C707 5345-337C041 CAP, MINI ELE 330μ/16V 593 Q812 5611-1115(E)or(F) XISTOR, NPN R 511 C708 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C708 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C709 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C709 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C709 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C709 5345-337C041 CAP, MINI ELE 330μ/16V 594 Q813 5613-2603(E)or(F) XISTOR, NPN R 511 C709 5345-337C041 CAP, MINI ELE 330μ/16V 594	Ser. No. 604	Ref. No. R820	Part No.	Description		Ref. No.		Description
Section Sec			5232-271J16P	RES, CBN 1/6P 270	716	C626	5345-337D041	CAP, MINI ELE 330µ/25V
505 6823 523-221116P RES. CBN 1/6P 220 537 5053 539-311561								
865 8825 523-22114P RES. CBN 1/6P 220 053 0581 0581 3583-33593								· · · · · · · · · · · · · · · · · · ·
605 R8ES 523-221116P RES. CBM 1/6P 270 0538 0581 S353-33554 CAP, MAX 33	605	R824						•
605 R825 S22-221-116P RSC, GRH 1/6P 220 0536 G82 S35-303543 CAP, MAI JOJA	605	R825	5232-221J16P	RES, CBN 1/6P 220				•
19. 19.			5232-221J16P	RES, CBN 1/6P 220	053B	C682		
19.9 19.82 19.8					052B	C683	5354-473593	
850 8830 \$232-331119P				•		C684	5354-473593	
Section Sec				-				
THANSITORS 150 QND S613-342200H(Y) XISTOR, NPN R 512 C716 S34-1069891 CAP, MINI ELE 10g/30V A93 QND S613-34200H(Y) XISTOR, NPN R 512 C716 S34-1069891 CAP, MINI ELE 10g/30V A93 QND S613-34200H(Y) XISTOR, NPN R 511 C710 S34-1060891 CAP, MINI ELE 10g/30V A93 QND S613-34200H(Y) XISTOR, NPN R 511 C710 S34-1070H CAP, MINI ELE 10g/30V A93 QND S613-34200H(Y) XISTOR, NPN R 511 C710 S34-3070H CAP, MINI ELE 30g/1/80 A93 QND S613-34200H(Y) XISTOR, NPN R 511 C710 S34-3070H CAP, MINI ELE 30g/1/80 A93 QND S613-34200H CAP, MINI ELE 30g/1/80 A93 QND S								
	-	11001		NES, CBN 1/0F 330				
SSI	609	080		VISTOR NON D				
949 0811		-						
SSI								
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538 0814 S511-1115[Derfe] XISTOR, PNP R S57 C710 S345-3370041 CAP, MINT ELE \$300_/Fox	594	Q813			511	C709	5345-337C041	
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554 C605 5359-1015851 CAP, PPP 100p 573 R633 5134-471J25P RES, CBN 1/4P 470 554 C606 5359-1015851 CAP, PPP 100p 573 R634 5134-471J25P RES, CBN 1/4P 470 546 C607 5345-47780952 CAP, MINI ELE 470μ/10V 573 R635 5134-471J25P RES, CBN 1/4P 470 548 C609 5345-226C041 CAP, MINI ELE 22μ/16V 576 R637 5134-30J25P RES, CBN 1/4P 470 548 C610 5345-226C041 CAP, MINI ELE 22μ/16V 576 R638 5134-30J25P RES, CBN 1/4P 33 551 C611 5354-822J1HM CAP, MYL 8200p 576 R639 5134-330J25P RES, CBN 1/4P 33 552 C613 5354-822J1HM CAP, MYL 8200p 576 R640 5134-310J25P RES, CBN 1/4P 33 552 C613 5354-822J1HM CAP, MYL 022μ 574 R641 5134-103J25P RES, CBN 1/4P 10K 550				•				
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546 C607 5345-477B0952 CAP, MINI ELE 470μ/10V 573 R635 5134-471J25P RES, CBN 1/4P 470 546 C608 5345-477B0952 CAP, MINI ELE 470μ/10V 573 R636 5134-471J25P RES, CBN 1/4P 470 548 C609 5345-226C041 CAP, MINI ELE 22μ/16V 576 R637 5134-330J25P RES, CBN 1/4P 33 551 C610 5345-226C041 CAP, MINI ELE 22μ/16V 576 R638 5134-330J25P RES, CBN 1/4P 33 551 C611 5354-822J1HM CAP, MYL 8200p 576 R639 5134-330J25P RES, CBN 1/4P 33 551 C612 5354-822J1HM CAP, MYL 8200p 576 R640 5134-330J25P RES, CBN 1/4P 33 552 C613 5354-223J1HM CAP, MYL .022μ 574 R641 5134-103J25P RES, CBN 1/4P 10K 550 C613 5354-562J1HM CAP, MYL .5600p 575	554			•	573	R634		
546 C608 5345-47780952 CAP, MINI ELE $470\mu/10V$ 573 R636 5134-471J25P RES, CBN $1/4P$ 470 548 C609 5345-226C041 CAP, MINI ELE $22\mu/16V$ 576 R637 5134-330J25P RES, CBN $1/4P$ 33 548 C610 5345-226C041 CAP, MINI ELE $22\mu/16V$ 576 R638 5134-330J25P RES, CBN $1/4P$ 33 551 C611 5354-822J1HM CAP, MYL 8200p 576 R639 5134-330J25P RES, CBN $1/4P$ 33 551 C612 5354-822J1HM CAP, MYL 8200p 576 R640 5134-330J25P RES, CBN $1/4P$ 33 552 C613 5354-223J1HM CAP, MYL .022μ 574 R641 5134-103J25P RES, CBN $1/4P$ 10K 550 C614 5354-223J1HM CAP, MYL .022μ 574 R642 5134-103J25P RES, CBN $1/4P$ 10K 550 C615 5354-562J1HM CAP, MYL .5600p 575 R643 5134-	546	C607			573	R635	5134-471J25P	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	546	C608	5345-477B0952		573	R636	5134-471J25P	RES, CBN 1/4P 470
551 C611 5354-822J1HM CAP, MYL 8200p 576 R639 5134-330J25P RES, CBN 1/4P 33 551 C612 5354-822J1HM CAP, MYL 8200p 576 R640 5134-330J25P RES, CBN 1/4P 33 552 C613 5354-223J1HM CAP, MYL .022μ 574 R641 5134-103J25P RES, CBN 1/4P 10K 552 C614 5354-223J1HM CAP, MYL .022μ 574 R642 5134-103J25P RES, CBN 1/4P 10K 550 C615 5354-562J1HM CAP, MYL .5600p 575 R643 5134-122J25P RES, CBN 1/4P 1.2K 550 C616 5354-562J1HM CAP, MYL .5600p 575 R644 5134-122J25P RES, CBN 1/4P 1.2K 550 C616 5354-562J1HM CAP, MYL .5600p 575 R644 5134-122J25P RES, CBN 1/4P 1.2K 556 C617 5359-2025851 CAP, PPP .2000p 564 R645		C609	5345-226C041	CAP, MINI ELE 22µ/16V			5134-330J25P	RES, CBN 1/4P 33
551 C612 5354-822JIHM CAP, MYL 8200p 576 R640 5134-330J25P RES, CBN I/4P 33 552 C613 5354-223JIHM CAP, MYL .022μ 574 R641 5134-103J25P RES, CBN I/4P 10K 552 C614 5354-223JIHM CAP, MYL .022μ 574 R642 5134-103J25P RES, CBN I/4P 10K 550 C615 5354-562JIHM CAP, MYL 5600p 575 R643 5134-122J25P RES, CBN I/4P 1.2K 550 C616 5354-562JIHM CAP, MYL 5600p 575 R644 5134-122J25P RES, CBN I/4P 1.2K 550 C616 5354-562JIHM CAP, MYL 5600p 575 R644 5134-122J25P RES, CBN I/4P 1.2K 556 C616 5354-562JIHM CAP, MYL 5600p 564 R645 5174-Z549338 RES, CBN I/4P 1.2K 556 C618 5359-2025851 CAP, PPP 2000p 563 R646				CAP, MINI ELE 22µ/16V				RES, CBN I/4P 33
552 C613 5354-223JIHM CAP, MYL .022μ 574 R641 5134-103J25P RES, CBN I/4P 10K 552 C614 5354-223JIHM CAP, MYL .022μ 574 R642 5134-103J25P RES, CBN I/4P 10K 550 C615 5354-562JIHM CAP, MYL 5600p 575 R643 5134-122J25P RES, CBN I/4P 1.2K 550 C616 5354-562JIHM CAP, MYL 5600p 575 R644 5134-122J25P RES, CBN I/4P 1.2K 556 C616 5359-2025851 CAP, PPP 2000p 564 R645 5174-Z549338 RES, MTL I/4P 549K 556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL I/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL I/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648				•				
552 C614 5354-223JHM CAP, MYL .022μ 574 R642 5134-103J25P RES, CBN 1/4P 10K 550 C615 5354-562J1HM CAP, MYL 5600p 575 R643 5134-122J25P RES, CBN 1/4P 1.2K 550 C616 5354-562J1HM CAP, MYL 5600p 575 R644 5134-122J25P RES, CBN 1/4P 1.2K 556 C616 5359-2025851 CAP, PPP 2000p 564 R645 5174-Z549338 RES, MTL 1/4P 549K 556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL 1/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C620 5359-2025851 CAP, MINI ELE 10μ/50V 577 R649 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
550 C615 5354-562J1HM CAP, MYL 5600p 575 R643 5134-122J25P RES, CBN 1/4P 1.2K 550 C616 5354-562J1HM CAP, MYL 5600p 575 R644 5134-122J25P RES, CBN 1/4P 1.2K 556 C617 5359-2025851 CAP, PPP 2000p 564 R645 5174-Z549338 RES, MTL 1/4P 549K 556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL 1/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C620 5359-2025851 CAP, PPP 2000p 577 R649 5134-102J25P RES, CBN 1/4P 1K 547 C623 5345-106F0951 CAP, MINI ELE 10µ/50V 577 R650 <				•				
550 C616 5354-562J1HM CAP, MYL 5600p 575 R644 5134-12ZJ25P RES, CBN 1/4P 1.2K 556 C617 5359-2025851 CAP, PPP 2000p 564 R645 5174-Z549338 RES, MTL 1/4P 549K 556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL 1/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C623 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R649 5134-102J25P RES, CBN 1/4P 1K 547 C624 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R650 5134-102J25P RES, CBN 1/4P 1K 716 C625 5345-337D041 CAP, MINI ELE 330μ/25V 579 R651 5134-104J25P				-				
556 C617 5359-2025851 CAP, PPP 2000p 564 R645 5174-Z549338 RES, MTL 1/4P 549K 556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL 1/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C623 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R649 5134-102J25P RES, CBN 1/4P IK 547 C624 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R650 5134-102J25P RES, CBN 1/4P IK 716 C625 5345-337D041 CAP, MINI ELE 330μ/25V 579 R651 5134-104J25P RES, CBN 1/4P 100K				•				
556 C618 5359-2025851 CAP, PPP 2000p 564 R646 5174-Z549338 RES, MTL 1/4P 549K 556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C623 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R649 5134-102J25P RES, CBN 1/4P IK 547 C624 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R650 5134-102J25P RES, CBN 1/4P IK 716 C625 5345-337D041 CAP, MINI ELE 330μ/25V 579 R651 5134-104J25P RES, CBN 1/4P 100K				•				
556 C619 5359-2025851 CAP, PPP 2000p 563 R647 5174-Z412238 RES, MTL 1/4P 41.2K 556 C620 5359-2025851 CAP, PPP 2000p 563 R648 5174-Z412238 RES, MTL 1/4P 41.2K 547 C623 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R649 5134-102J25P RES, CBN 1/4P IK 547 C624 5345-106F0951 CAP, MINI ELE 10μ/50V 577 R650 5134-102J25P RES, CBN 1/4P IK 716 C625 5345-337D041 CAP, MINI ELE 330μ/25V 579 R651 5134-104J25P RES, CBN 1/4P 100K	•			·				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				•				
547 C623 5345-106F0951 CAP, MINI ELE $10\mu/50V$ 577 R649 5134-102J25P RES, CBN $1/4P$ 1K 547 C624 5345-106F0951 CAP, MINI ELE $10\mu/50V$ 577 R650 5134-102J25P RES, CBN $1/4P$ 1K 716 C625 5345-337D041 CAP, MINI ELE $330\mu/25V$ 579 R651 5134-104J25P RES, CBN $1/4P$ 100K	556			•	563	R648		
547 C624 5345-106F0951 CAP, MINI ELE $10\mu/50V$ 577 R650 5134-102J25P RES, CBN $1/4P$ IK 716 C625 5345-337D041 CAP, MINI ELE $330\mu/25V$ 579 R651 5134-104J25P RES, CBN $1/4P$ $100K$	547				577	R649		
716 C625 5345-337D041 CAP, MINI ELE 330µ/25V 579 R651 5134-104J25P RES, CBN 1/4P 100K		C624	5345-106F0951				5134-102J25P	
579 R652 5134-104J25P RES, CBN 1/4P 100K	716	C625	5345-337D041	CAP, MINI ELE $330\mu/25V$				RES, CBN 1/4P 100K
					579	R652	5134-104J25P	RES, CBN 1/4P 100K

Ser. No. Ref. No.	-Part No.	Description	Ser No	Ref. No.	Part No.	Description
719 R653	5134-103J25P	RES, CBN 1/4P IOK	537	Q621	5612-647(C)	
719 R654	5134-103J25P	RES, CBN 1/4P IOK	537	Q621 Q622	5612-647(C)	XISTOR, PNP A XISTOR, PNP A
718 R655	5176-S010J470	RES, MTL 1/2 47	711	Q623	5613-3298(O)or(Y)	XISTOR, NPN R
718 R656	5176-S010J470	RES, MTL 1/2 47	713	Q624	5611-1306(O)or(Y)	XISTOR, PNP R
717 △R657	5102-2204715	RES, FUSE 22	502	Q701	5611-1190(E)	XISTOR, PNP R
717 △R658	5102-2204715	RES, FUSE 22	502	Q702	5611-1190(E)	XISTOR, PNP R
578 R659	5134-471J25P	RES, CBN 1/4P 470	501	Q703	5613-2855(D)	XISTOR, NPN R
578 R660	5134-471J25P	RES, CBN 1/4P 470	501	Q704	5613-2855(D)	XISTOR, NPN R
562 R661	5174-2169338	RES, MTL 1/4 169K	501	Q705	5613-2855(D)	XISTOR, NPN R
562 R662	5174-Z169338	RES, MTL 1/4 169K	501	Q706	5613-2855(D)	XISTOR, NPN R
582 R663	5134-105J25P	RES, CBN 1/4P IM	502	Q707	5611-1190(E)	XISTOR, PNP R
582 R664	5134-105J25P	RES, CBN I/4P IM	502	Q708	5611-1190(E)	XISTOR, PNP R
718 R667	5176-S010J470	RES, MTL 1/2 47	503	Q709	5613-2603(E)or(F)	XISTOR, NPN R
718 R668	5176-S010J470	RES, MTL 1/2 47	504	Q710	5611-1115(E)or(F)	XISTOR, PNP R
718 R669 718 R670	5176-S010J470	RES, MTL 1/2 47	504	Q711	5611-1115(E)or(F)	XISTOR, PNP R
055B R681	5176-S010J470 5134-102J25P	RES, MTL 1/2 47 RES, CBN 1/4P IK G GB	503	Q712	5613-2603(E)or(F)	XISTOR, NPN R
055B R682	5134-102J25P	RES, CBN 1/4P IK G GB	505 505	Q713	5616-2SK373GR	FET, N-CH
055B R683	5134-102J25P	RES, CBN 1/4P IK G GB	585	Q714 Q803	5616-2SK373GR	FET, N-CH
055B R684	5134-102J25P	RES, CBN 1/4P IK G GB	585	Q804	5611-1115(E) .5611-1115(E)	XISTOR, PNP R
516 R701	5134-1R0J25P	RES, CBN 1/4P UA GK N	586	Q804 Q805	5616-2SK364(V)or(BL)	XISTOR, PNP R
516B R701	5134-5R6J25P	RES, CBN 1/4P 5.6 6 6B	586	Q806	5616-2SK364(V)or(BL)	· · · · · · · · · · · · · · · · · ·
516 R702	5134-1R0J25P	RES, CBN 1/4P I JA BK N	•••	QUUU		121, 14-011
516B R702	5134-5R6J25P	RES, CBN 1/4P 5.6 6 6	E 4 1	Deal	DIODES	DIODE DET
519 R703	5134-560J25P	RES, CBN I/4P 56	541 541	D601	5631-1S2473 5631-1S2473	DIODE, DET
519 R704	5134-560J25P	RES, CBN I/4P 56	542	D602 D603	5631-1S2473	DIODE, DET
521 R705	5134-472J25P	RES, CBN 1/4P 4.7K	542	D603	5641-MV103 5641-MV103	VARISTOR
521 R706	5134-472J25P	RES, CBN I/4P 4.7K	715	D605	5635-HZ24-2L	VARISTOR DIODE, ZENER
521 R707	5134-472J25P	RES, CBN I/4P 4.7K	715	D606	5635-HZ24-2L	DIODE, ZENER
521 R708	5134-472J25P	RES, CBN I/4P 4.7K	508	D701	5635-HZ15-IL	DIODE, ZENER
517 R709	5134-100J25P	RES, CBN 1/4P 10	508	D702	5635-HZ15-1L	DIODE, ZENER
517 R710	5134-100J25P	RES, CBN 1/4P 10			COILS	
517 R711	5134-100J25P	RES, CBN 1/4P 10	056B	L701	5597-3	CORE, BEADS 6 6
517 R712	5134-100J25P	RES, CBN 1/4P 10	056B	L702	5597-3	CORE, BEADS G GB
518 R713	5134-220J25P	RES, CBN 1/4P 22	056B	L703	5597-3	CORE, BEADS G GB
518 R714	5134-220J25P	RES, CBN 1/4P 22	0568	L704	5597-3	CORE, BEADS G GB
518 R715 518 R716	5134-220J25P	RES, CBN 1/4P 22				OBINE, BEADS
518 R716 515 R717	5134-220J25P 5174-561381	RES, CBN 1/4P 22 RES, MTL 1/4 560	922	14	MISCELLANEOUS	011 14.01/ 45
515 R718	5174-561381	RES, MTL 1/4 560	922D	J4 J4	4484-31 4484-36	PIN JACK, 4P
515 R719	5174-561381	RES, MTL 1/4 560	923	J5	4486-9	PIN JACK, 4P * PIN JACK, 6P
515 R720	5174-561381	RES, MTL 1/4 560	923D	J5	4486-00301006	PIN JACK, 6P
520 R721	5134-392J25P	RES, CBN 1/4P 3.9K	982	JL402	4242-R0403501	JUMPER LEAD
520 R722	5134-392J25P	RES, CBN 1/4P 3.9K	895	SW9	4422-70211	
522 R723	5134-681J25P	RES, CBN 1/4P 680				SWITCH, REMOTE
522 R724	5134-681J25P	RES, CBN 1/4P 680	583	LCN517	4163-0110020	CONNECTOR W/W
523 R727	5134-331J25P	RES, CBN 1/4P 330	944	CN304	4443-070185	CONNECTOR
523 R728	5134-331J25P	RES, CBN 1/4P 330	941	CN501	4443-030185	CONNECTOR
588 R816	5134-104J25P	RES, CBN 1/4P 100K	941	CN507	4443-030185	CONNECTOR
588 R817	5134-104J25P	RES, CBN 1/4P 100K	941	CN515	4443-030185	CONNECTOR
589 R818	5134-103J25P	RES, CBN 1/4P 10K				
590 R819	5134-105J25P	RES, CBN 1/4P IM			PCB-12 HEADPH	ONE D.C. BOARD
	TRANSISTORS		-	100	V Section 1	
531 Q601	5613-2240(BL)	XISTOR, NPN R	916	JI	4451-00159	JACK, †P
531 Q602	5613-2240(BL)	XISTOR, NPN R				
531 Q603	5613-2240(BL)	XISTOR, NPN R	THU A	and the second second	INTERNATION OF THE PROPERTY OF	
531 Q604	5613-2240(BL)	XISTOR, NPN R		The state of	📑 PCB-13 4/8Ω	
532 Q605 532 Q606	5613-2603(E)or(F) 5613-2603(E)or(F)	XISTOR, NPN R	المنطقة المناف	and the second		the state of the s
532 Q607	5613-2603(E)or(F)	XISTOR, NPN R XISTOR, NPN R			CAPACITORS	
532 Q608	5613-2603(E)or(F)	XISTOR, NPN R	886 .		5345-107D041	CAP, MINI ELE 100µ/25V
533 Q609	5611-999L(F)	XISTOR, PNP R	885	C96	5345-476C041	CAP, MINI ELE 47µ/16V
533 Q610	5611-999L(F)	XISTOR, PNP R			RESISTORS	
538 Q611	5613-2320L(F)	XISTOR, NPN R		∆R76	5102-2714713	RES, FUSE 270
538 Q612	5613-2320L(F)	XISTOR, NPN R		ΔR77	5102-2714715	RES, FUSE 270
533 Q613	5611-999L(F) -	XISTOR, PNP R	890	∆R78	5102-5R64713	RES, FUSE 5.6
533 Q614	5611-999L(F)	XISTOR, PNP R			DIODES	
535 Q615	5612-646(C)	XISTOR, PNP A		△D75	5632-S5566B	DIODE, RECT
_535 Q616	5612-646(C)	XISTOR, PNP A	884	△D76	5632-S5566B	DIODE, RECT
534 Q617	5614-666(C)	XISTOR, NPN A			MISCELLANEOUS	
534 Q618	5614-666(C)	XISTOR, NPN A XISTOR, NPN A	985	JL804	MISCELLANEOUS 4242-R0303451	JUMPER LEAD
•		XISTOR, NPN A	985 951	JL804 TM301		JUMPER LEAD TERMINAL

Ser. No.	Ref. No.	Part No.	Description

	1.0	CHASSIS MISC	ELLANEOUS
	∆ C0!	4443-712	CONNECTOR G
866	ΔFI	5732-502029	FUSE UA BK
8668	ΔFI	5732-252030	FUSE 6
866D		5732-502050	FUSE
		5732-502029	FUSE WA BK
		5732-252030	FUSE G
866D	∆F2	5732-502050	FUSE N
861	ΔTI	5584-S05	XFORMER, POWER WAS BE
861B	ΔTI	5584-S06	XFORMER, POWER GE
861D	ΔTI	5584-S07	XFORMER, POWER
861	∆T2	5584-S05	XFORMER, POWER (IA) BK
		5584-S06	XFORMER, POWER G GF
861D	ΔT2	5584-S07	XFORMER, POWER N
926	∆S0I	4474-156	SOCKET TA BE N
930	ΔPI	4161-71151	CORD W/PLUG TA
9308	ΔPI	4161-7256	CORD W/PLUG
930D	ΔPI	4161-71148	CORD W/PLUG
896	SW102	4421-0227230	SWITCH, SLIDE
896	SW103	4421-0227230	SWITCH, SLIDE
249	LUGI	4211-5005	LUG
249	LUG2	4211-5005	LUG
249	LUG3	4211-5005	LUG
065B	LUG4	4211-4	LUG G
065B	LUG5	4211-4	LUG G
065B	LUG6	4211-4	LUG G
867		4472-014	HOLDER, FUSE TA BE
367B		4472-7118	HOLDER, FUSE G
932		4442-14	PIN PLUG

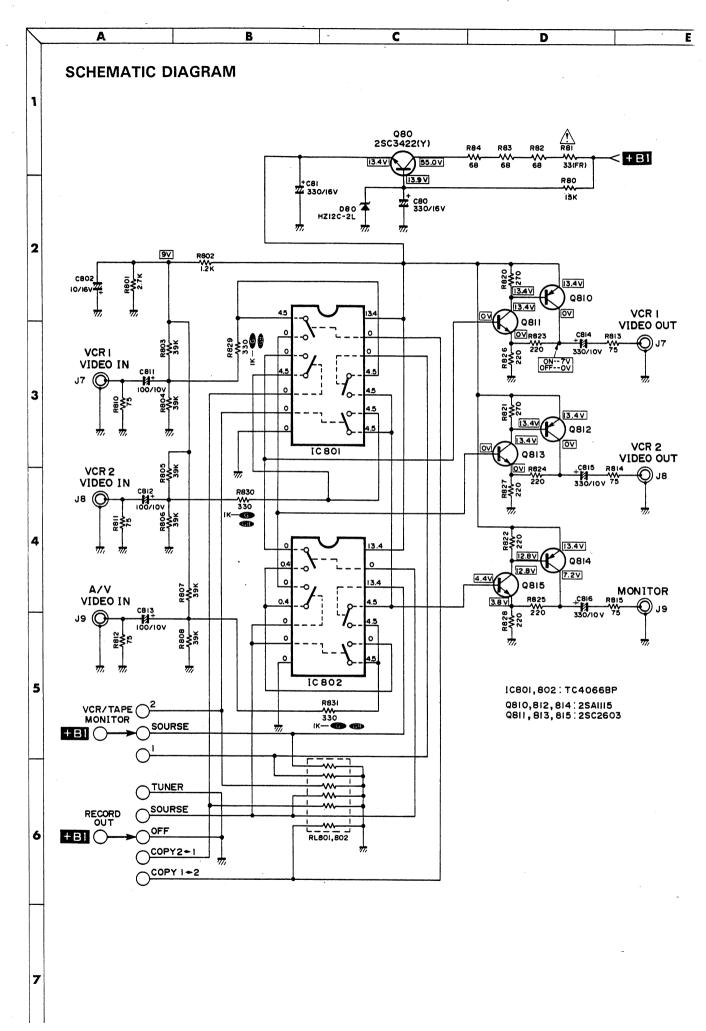
PACKAGE PARTS LIST

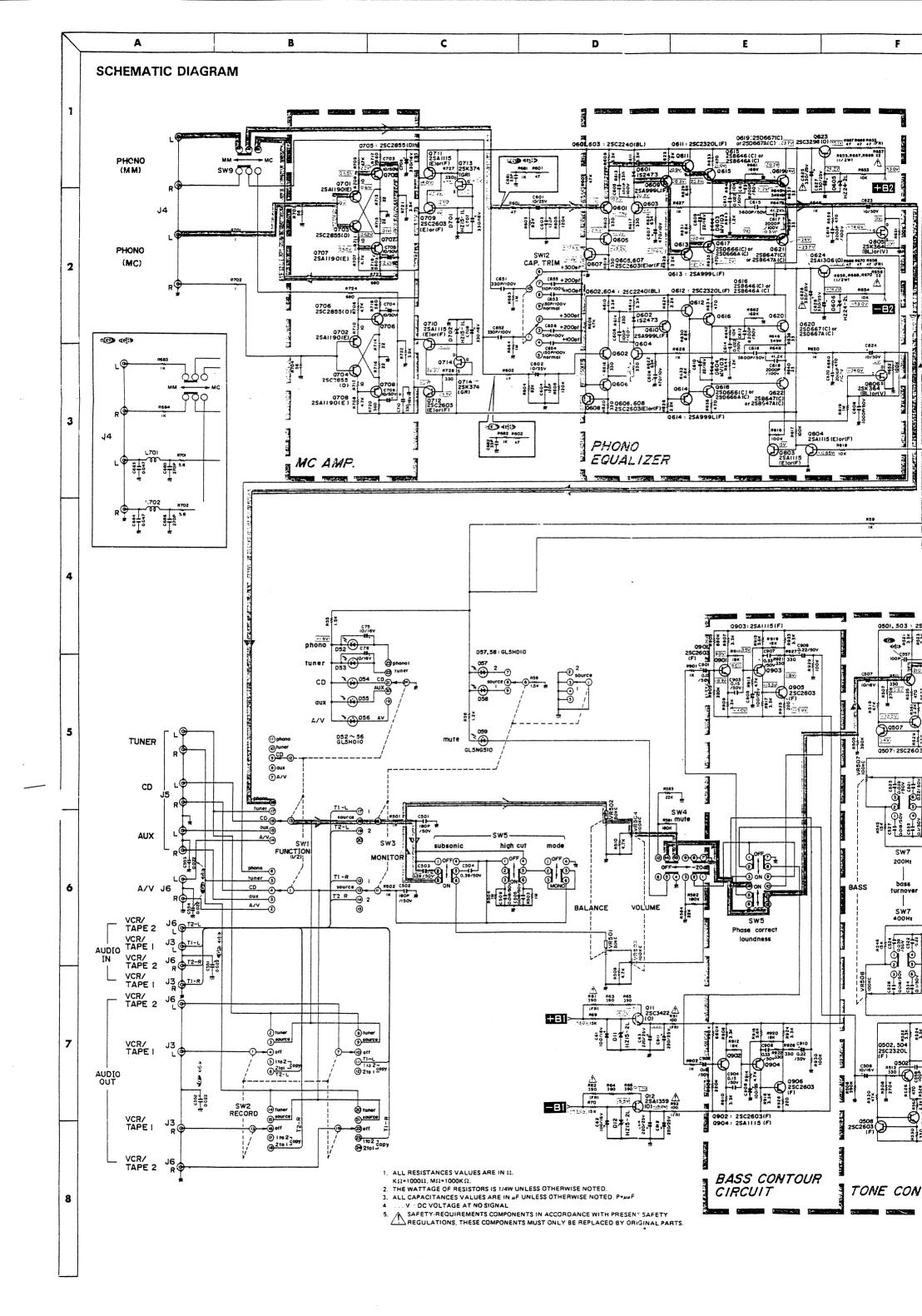
021B	1756-06303	LABEL G GB
022B	1756-03108	LABEL 6 63
022D	1756-03113	LABEL N
0288	1119-026	ATTACH SHEET G GB
106	1111-J90195	OWNER GUIDE WA CEN
107	1111-J30273	OWNER GUIDE (IA)
107B	1111-J30274	OWNER GUIDE G GB
107D	1111-J2040	OWNER GUIDE N
108	1113-717004	OWNER CARD OF SIN
108D	1113-0C	OWNER CARD N
109	1119-047	ATTACH SHEET WA BK
109D	1116-GC	ATTACH SHEET
110	1119-0137	ATTACH SHEET (IA) (BK)
121	1241-C12732	POLYETHYLENE BAG
122	1241-C1492	POLYETHYLENE BAG
124	1221-807143	CARTON BOX TA G
124A	1221-817143	CARTON BOX BK GB N
125	1222-7225	CUSHION R
126	1222-7226	CUSHION L
127	1223-11729	SOFT SHEET

ABBREVIATIONS IN PARTS LIST

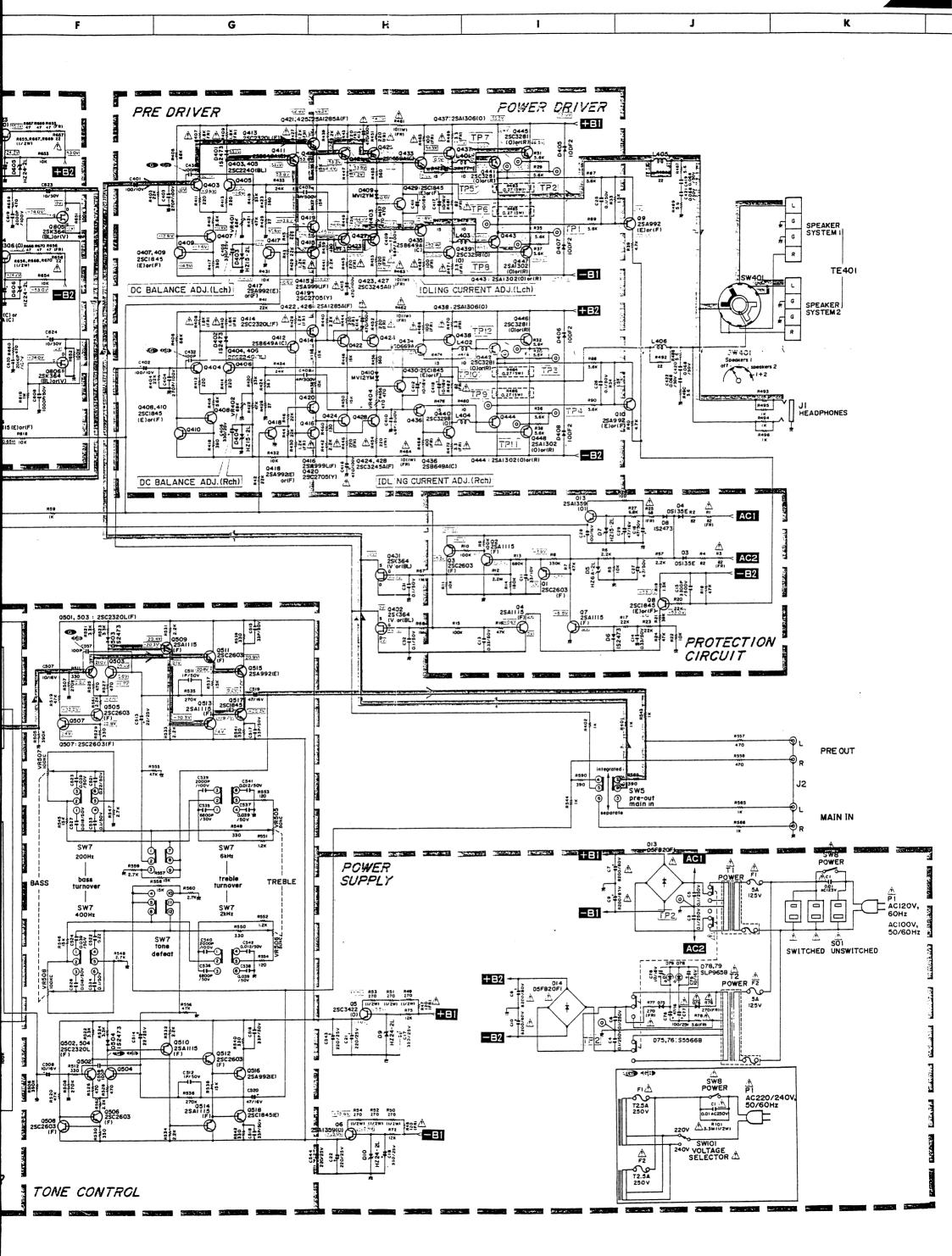
CAPACITORS	RESISTORS
CAP, MINI ELE : Electrolytic	RES, CBN 1/6P : Carbon 1/6W
CAP, CER : Ceramic	RES, FUSE : Fuse
CAP, PPP : Polypropylene	RES, CEM 5P : Cement 5W
CAP, MYL : Mylar	RES, MTL IP : Metal IW
CAP, MCA : Mica	2.2K : 2.2kΩ
CAP, MINI BP : Bipolar	220 : 220Ω
CAP, ELE BP : Electrolytic Bipolar	TRANSISTORS
CAP, STY : Polystyrene Film	XISTOR : Transistor
CAP, SPE : Special	FET : Field Effect Transistor
CAP, TAN : Tantalum	CONTROLS
$470\mu : 470\mu$ F	RES, V CBN : Variable Carbon Resistor
6800p: 6800pF	RES, SEMI FIX : Semi-fixed Resistor
$.047\mu:0.047\mu$ F	
NOTE	

SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED.





PIVIDE:



TAY COUNT Α В C D E **WIRING DIAGRAM** SPEAKER OPERATING MODE PCB-4 1 PCB-13 RIGHT LEFT PCB-2 φα α<u>∈</u>! W-561 CRG CRG W-562 SW 102 ₽ 103TM301 [€ 2 FUSE SOI 0 W-510 3 PCB-3 RED ORG T 1 POWER BLU RED BLU PCB-9 ORG T2 POWER YEL RED RED BLK PCB-12 SPEAKER OPERATING MODE RIGHT LEFT 5 **3**0 **6**2 > T.M301 -SW102 SW 103 PCB-I3 PCE-6 BLU · 6 · 12 VOLTAGE SELECTOR CEPTURE AC AL FIR BEELD FUSE 6 W-509 BRN PCB-5 GRY ORG PCB-3 T1 POWER 7 BW BLU YEL BRN RED RED BLU T2 POWER YEL RED BLK 8

WIRE COLOR ABBREVIATIONS
RED : Red YEL : Yellow
ORG : Orange PUP : Purple
BLU : Blue PIK : Pink
WHT : White GRY : Gray
GRN : Green BRN : Brown
BLK : Black

